

INFORMATION TO OFFERORS OR QUOTERS SECTION A - COVER SHEET		<i>Form Approved</i> <i>OMB No. 9000-0002</i> <i>Expires Oct 31, 2004</i>											
The public reporting burden for this collection of information is estimated to average 35 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (9000-0002), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person will be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.													
PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS. RETURN COMPLETED FORM TO THE ADDRESS IN BLOCK 4 BELOW.													
1. SOLICITATION NUMBER F19628-03-R-0052		2. (X one) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;"><input type="checkbox"/></td> <td>a. INVITATION FOR BID (IFB)</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>b. REQUEST FOR PROPOSAL (RFP)</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>c. REQUEST FOR QUOTATION (RFQ)</td> </tr> </table>		<input type="checkbox"/>	a. INVITATION FOR BID (IFB)	<input checked="" type="checkbox"/>	b. REQUEST FOR PROPOSAL (RFP)	<input type="checkbox"/>	c. REQUEST FOR QUOTATION (RFQ)				
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<input checked="" type="checkbox"/>	b. REQUEST FOR PROPOSAL (RFP)												
<input type="checkbox"/>	c. REQUEST FOR QUOTATION (RFQ)												
3. DATE/TIME RESPONSE DUE 10 SEP 2003 3:00 PM													
INSTRUCTIONS NOTE: The provision entitled "Required Central Contractor Registration" applies to most solicitations 1. If you are not submitting a response, complete the information in Blocks 9 through 11 and return to the issuing office in Block 4 unless a different return address is indicated in Block 7. 2. Offerors or quoters must include full, accurate, and complete information in their responses as required by this solicitation (including attachments). "Fill-ins" are provided on Standard Form 18, Standard Form 33, and other solicitation documents. Examine the entire solicitation carefully. The penalty for making false statements is prescribed in 18 U.S.C. 1001. 3. Offerors or quoters must plainly mark their responses with the Solicitation Number and the date and local time for bid opening or receipt of proposals that is in the solicitation document. 4. Information regarding the timeliness of response is addressed in the provision of this solicitation entitled either "Late Submissions, Modifications, and Withdrawal of Bids" or "Instructions to Offerors - Competitive Acquisition".													
4. ISSUING OFFICE <i>(Complete mailing address, including Zip Code)</i> ELECTRONIC SYSTEMS CENTER AIR FORCE MATERIEL COMMAND, USAF 5 EGLIN STREET, BLDG 1612 HANSCOM AFB, MA 01731-2100		5. ITEMS TO BE PURCHASED <i>(Brief description)</i> Successful Completion of Pre-System Development and Demonstration (Pre-SDD) Phase for the Airborne JTRS Cluster 4 Program											
6. PROCUREMENT INFORMATION <i>(X and complete as applicable)</i>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;"><input checked="" type="checkbox"/></td> <td>a. THIS PROCUREMENT IS UNRESTRICTED</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>b. THIS PROCUREMENT IS _____ % SET-ASIDE FOR SMALL BUSINESS. THE APPLICABLE NAICS CODE IS: _____</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>c. THIS PROCUREMENT IS _____ % SET-ASIDE FOR HUB ZONE CONCERNS. THE APPLICABLE NAICS CODE IS: _____</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>d. THIS PROCUREMENT IS RESTRICTED TO FIRMS ELIGIBLE UNDER SECTION 8(a) OF THE SMALL BUSINESS ACT.</td> </tr> </table>				<input checked="" type="checkbox"/>	a. THIS PROCUREMENT IS UNRESTRICTED	<input type="checkbox"/>	b. THIS PROCUREMENT IS _____ % SET-ASIDE FOR SMALL BUSINESS. THE APPLICABLE NAICS CODE IS: _____	<input type="checkbox"/>	c. THIS PROCUREMENT IS _____ % SET-ASIDE FOR HUB ZONE CONCERNS. THE APPLICABLE NAICS CODE IS: _____	<input type="checkbox"/>	d. THIS PROCUREMENT IS RESTRICTED TO FIRMS ELIGIBLE UNDER SECTION 8(a) OF THE SMALL BUSINESS ACT.		
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7. ADDITIONAL INFORMATION 													
8. POINT OF CONTACT FOR INFORMATION													
a. NAME <i>(Last, First, Middle Initial)</i> ANN MARIE BASTEK		b. ADDRESS <i>(Include Zip Code)</i> See Block 4											
c. TELEPHONE NUMBER <i>(Include Area Code and Extension)</i> (781) 377-7512 X		d. E-MAIL ADDRESS Ann.Bastek@hanscom.af.mil											
9. REASONS FOR NO RESPONSE <i>(X all that apply)</i>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;"><input type="checkbox"/></td> <td>a. CANNOT COMPLY WITH SPECIFICATIONS</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>b. UNABLE TO IDENTIFY THE ITEM(S)</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>c. CANNOT MEET DELIVERY REQUIREMENT</td> </tr> </table>		<input type="checkbox"/>	a. CANNOT COMPLY WITH SPECIFICATIONS	<input type="checkbox"/>	b. UNABLE TO IDENTIFY THE ITEM(S)	<input type="checkbox"/>	c. CANNOT MEET DELIVERY REQUIREMENT	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;"><input type="checkbox"/></td> <td>d. DO NOT REGULARLY MANUFACTURE OR SELL THE TYPE OF ITEMS INVOLVED</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>e. OTHER <i>(Specify)</i></td> </tr> </table>		<input type="checkbox"/>	d. DO NOT REGULARLY MANUFACTURE OR SELL THE TYPE OF ITEMS INVOLVED	<input type="checkbox"/>	e. OTHER <i>(Specify)</i>
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<input type="checkbox"/>	e. OTHER <i>(Specify)</i>												
10. MAILING LIST INFORMATION <i>(X one)</i> WE <input type="checkbox"/> DO <input type="checkbox"/> DO NOT DESIRE TO BE RETAINED ON THE MAILING LIST FOR FUTURE PROCUREMENT OF THE TYPE INVOLVED.													
11a. COMPANY NAME		b. ADDRESS <i>(Include Zip Code)</i>											
c. ACTION OFFICER													
(1) TYPED OR PRINTED NAME <i>(Last, First, Middle Initial)</i>		(2) TITLE											
(3) SIGNATURE			(4) DATE SIGNED <i>(YYYYMMDD)</i>										

FOLD

FOLD

FROM

AFFIX
STAMP
HERE

SOLICITATION NUMBER F19628-03-R-0052	
DATE (YYYYMMDD) 10 SEP 2003	LOCAL TIME 3:00 PM

SOLICITATION, OFFER AND AWARD				1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350) ➡		RATING DO-A7		PAGE OF PAGES 1 22	
2. CONTRACT NO.		3. SOLICITATION NO. F19628-03-R-0052		4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)		5. DATE ISSUED 11 AUG 2003		6. REQUISITION/PURCHASE NO.	
7. ISSUED BY ESC/DIGK ELECTRONIC SYSTEMS CENTER AIR FORCE MATERIEL COMMAND, USAF 5 EGLIN STREET, BLDG 1612 HANSCOM AFB, MA 01731-2100 ANN MARIE BASTEK (781) 377-7512 ANN.BASTEK@HANSCOM.AF.MIL				CODE FA8726		8. ADDRESS OFFER TO (If other than Item 7)			
NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".									
SOLICITATION									
9. Successful Completion of Pre-System Development and Demonstration (Pre-SDD) Phase for the Airborne Joint Tactical Radio System (JTRS) Cluster 4 Program									
10. FOR INFORMATION CALL: ➡		A. NAME See Block 7		B. TELEPHONE (Include area code) (NO COLLECT CALLS) See Block 7		C. E-MAIL ADDRESS See Block 7			
11. TABLE OF CONTENTS									
(√)	SEC.	DESCRIPTION		PAGE(S)	(√)	SEC	DESCRIPTION		PAGE(S)
<i>PART I - THE SCHEDULE</i>					<i>PART II - CONTRACT CLAUSES</i>				
√	A	SOLICITATION/CONTRACT FORM		1	√	I	CONTRACT CLAUSES		15
√	B	SUPPLIES OR SERVICES AND PRICES/COSTS		2	<i>PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACH.</i>				
√	C	DESCRIPTION/SPECS./WORK STATEMENT		5	√	J	LIST OF ATTACHMENTS		21
√	D	PACKAGING AND MARKING		6	<i>PART IV - REPRESENTATIONS AND INSTRUCTIONS</i>				
√	E	INSPECTION AND ACCEPTANCE		7	√	K	REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS		K - 1
√	F	DELIVERIES OR PERFORMANCE		8	√	L	INSTRS, CONDS, AND NOTICES TO OFFERORS		L - 1
√	G	CONTRACT ADMINISTRATION DATA		10	√	M	EVALUATION FACTORS FOR AWARD		M - 1
√	H	SPECIAL CONTRACT REQUIREMENTS		13	√	M	EVALUATION FACTORS FOR AWARD		M - 1
OFFER (Must be fully completed by offeror)									
NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.									
12. In compliance with the above, the undersigned agrees, if this offer is accepted within 120 calendar days (60 calendar days unless a different period is inserted by the offeror) from the date of receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.									
13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8) ➡				10 CALENDAR DAYS %		20 CALENDAR DAYS %		30 CALENDAR DAYS %	
14. ACKNOWLEDGEMENTS OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated:				AMENDMENT NO.		DATE		AMENDMENT NO.	
15A. NAME AND ADDRESS OF OFFEROR				CODE		FACILITY		16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	
15B. TELEPHONE NO. (Include area code)				15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE. <input type="checkbox"/>		17. SIGNATURE		18. OFFER DATE	
AWARD (To be completed by Government)									
19. ACCEPTED AS TO ITEMS NUMBERED				20. AMOUNT		21. ACCOUNTING AND APPROPRIATION			
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 253(c) ()						23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified) ➡		ITEM	
24. ADMINISTERED BY (If other than Item 7) CODE						25. PAYMENT WILL BE MADE BY CODE			
26. NAME OF CONTRACTING OFFICER (Type or print)						27. UNITED STATES OF AMERICA (Signature of Contracting Officer)		28. AWARD DATE	

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0001		1 Lot	
	<i>Noun:</i>	SUCCESSFUL COMPLETION OF PRE-SDD FPR AIRBORNE JTRS CLUSTER 4	
	<i>ACRN:</i>	9	
	<i>NSN:</i>	N - Not Applicable	
	<i>Contract type:</i>	R - COST PLUS AWARD FEE	
	<i>Inspection:</i>	DESTINATION	
	<i>Acceptance:</i>	DESTINATION	
	<i>FOB:</i>	DESTINATION	
	<i>Descriptive Data:</i>		
	A. The contractor shall successfully complete Pre-SDD for the Airborne Joint Tactical Radio System (JTRS) Cluster 4 Program in accordance with Statement of Objectives (SOO), Attachment 1 and the contractor's proposed Statement of Work.		
	B. Commencement Date: Date of Contract Award (defined as the Mailing Date of the contract)		
	C. Completion Date:		
	Successful completion of Pre-SDD for the Airborne JTRS Cluster 4 Program shall be completed no later than (NLT) thirteen (13) Months After Contract Award (MAC).		
	D. This CLIN is incrementally funded.		
	E. This is a Cost Plus Award Fee CLIN.		
	F. Total Estimated Cost: \$_____ TO BE PROPOSED BY OFFEROR		
	G. Base Fee: \$0.00		
	H. Total Award Fee: \$_____ TO BE PROPOSED BY OFFEROR		
	(NOTE: Amount of the total award fee shall be 10% of the proposed Total Estimated Cost in paragraph F.)		
000101			
	<i>Noun:</i>	Funding Info Only	
	<i>ACRN:</i>	AA AA	
	<i>Descriptive Data:</i>		
	Breakout for funding/payment purposes. See Section G for payment instructions.		
000102			
	<i>Noun:</i>	Funding Info Only	
	<i>ACRN:</i>	AB AB	
	<i>Descriptive Data:</i>		
	Breakout for funding/payment purposes. See Section G for payment instructions.		

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0002		1	
		Lot	
	<i>Noun:</i>	DATA FOR CLIN 0001	
	<i>ACRN:</i>	AA	
	<i>NSN:</i>	N - Not Applicable	
	<i>DD1423 is Exhibit:</i>	A	
	<i>Contract type:</i>	R - COST PLUS AWARD FEE	
	<i>Inspection:</i>	DESTINATION	
	<i>Acceptance:</i>	DESTINATION	
	<i>FOB:</i>	DESTINATION	
	<i>Descriptive Data:</i>		
	A. Deliver data in accordance with Exhibit A, Contract Data Requirements List, DD Form 1423.		
	B. Place of Delivery is the Addressee(s) on the Exhibit.		
	C. Completion Date: As required in accordance with Exhibit A.		
	D. This CLIN is Not Separately Priced (NSP). Cost/price is included in CLIN 0001.		
0003		1	
		Lot	
	<i>Noun:</i>	AWARD FEE FOR CLIN 0001	
	<i>ACRN:</i>	9	
	<i>NSN:</i>	N - Not Applicable	
	<i>Contract type:</i>	R - COST PLUS AWARD FEE	
	<i>Inspection:</i>	DESTINATION	
	<i>Acceptance:</i>	DESTINATION	
	<i>FOB:</i>	DESTINATION	
	<i>Descriptive Data:</i>		
	The Contractor may earn up to \$_____ Award Fee in the performance of CLIN 0001 in accordance with the Award Fee Plan, Attachment 7, Section J of the basic contract.		
	(NOTE: The \$ amount to be inserted is the same as that proposed/identified in paragraph H on page 3.)		
000301			
	<i>Noun:</i>	Funding Info Only	
	<i>ACRN:</i>	AA AA	
	<i>Descriptive Data:</i>		
	Breakout for funding/payment purposes. See Section G for payment instructions.		
000302			
	<i>Noun:</i>	Funding Info Only	
	<i>ACRN:</i>	AB AB	
	<i>Descriptive Data:</i>		
	Breakout for funding/payment purposes. See Section G for payment instructions.		

NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

OTHER CONTRACT CLAUSES IN FULL TEXT

B038 CONTRACT TYPE: COST-PLUS-AWARD-FEE (FEB 1997) (TAILORED)

Contractor shall be reimbursed for performance of this contract in accordance with the contract clauses and the following additional terms:

(a) The total estimated cost of performance is \$____(To be negotiated and consistent with amount shown in Section B, under CLIN 0001, paragraph F.)

(b) The base fee is \$0.00 (Zero).

(c) The maximum award fee is \$ _____(To be negotiated and will be consistent with the amount shown in Section B under CLIN 0001, paragraph H.)

(d) The maximum award fee earned for performance from inception of contract through successful completion of Pre-SDD has been determined to be 100% of the Award Fee Pool of 10%.

NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

OTHER CONTRACT CLAUSES IN FULL TEXT

C001 WORK DESCRIPTION/SPECIFICATION (MAY 1997) (TAILORED)

Work called for by the contract line items specified in SECTION B shall be performed in accordance with the following:

CLIN/SubCLIN	Description
0001	Statement of Objectives (SOO) and the Contractor's Proposed Statement of Work for the Successful Completion of Pre-SDD for the Airborne Joint Tactical Radio System (JTRS) Cluster 4
0002	Contract Data Requirements List (CDRL), Exhibit A
0003	Award Fee Plan for the Successful Completion of Pre-SDD for the Airborne JTRS Cluster 4

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

**AIR FORCE MATERIEL COMMAND FEDERAL ACQUISITION REGULATION SUPPLEMENT
CONTRACT CLAUSES**

5352.247-9007 SPECIFICATION COMMERCIAL PACKAGING (AFMC) (JAN 2000)

I. NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

A. FEDERAL ACQUISITION REGULATION CONTRACT CLAUSES

52.246-03 INSPECTION OF SUPPLIES -- COST-REIMBURSEMENT (MAY 2001)
52.246-05 INSPECTION OF SERVICES -- COST-REIMBURSEMENT (APR 1984)
52.246-09 INSPECTION OF RESEARCH AND DEVELOPMENT (SHORT FORM) (APR 1984)

B. DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT CONTRACT CLAUSES

252.246-7000 MATERIAL INSPECTION AND RECEIVING REPORT (DEC 1991)

II. NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

OTHER CONTRACT CLAUSES IN FULL TEXT

E005 INSPECTION AND ACCEPTANCE (MAR 1998) (TAILORED)

a. Line Items 0001 and 0003 - Inspection and acceptance at ESC/DIGR, 5 Eglin Street, Bldg 1612, 1st Floor, Hanscom AFB, MA 01731-2100. The Contractor shall prepare and submit a final DD 250, Material Inspection and Receiving Report at the completion of the Pre-SDD effort.

b. Line Item 0002 - The data shall be delivered F.O.B. Destination to the office(s) specified in Block 14 of Exhibit A, DD Form 1423-1, and inspected and accepted at ESC/DIGR, 5 Eglin Street, Bldg 1612, 1st Floor, Hanscom AFB, MA 01731-2100. The Contractor shall prepare and submit a final DD Form 250, Material Inspection and Receiving Report, on a one-time basis, collectively accounting for all completed items called for under Exhibit A, which called for submission of data with a letter of transmittal. The DD Form 250 shall be submitted with the last item required to be delivered.

ITEM	SUPPLIES SCHEDULE DATA	QTY	SHIP TO	MARK FOR	TRANS PRI	DATE
0001		1	U		0	MARO
	<i>Noun:</i> SUCCESSFUL COMPLETION OF PRE-SDD FPR AIRBORNE JTRS CLUSTER 4 <i>ACRN:</i> 9 <i>Descriptive Data:</i> Period of Performance for the entire effort shall be thirteen (13) months after contract award (MAC).					
0002		1	U			ASREQ
	<i>Noun:</i> DATA FOR CLIN 0001 <i>ACRN:</i> AA <i>Descriptive Data:</i> To be delivered in accordance with Exhibit A, Contract Data Requirements List					
0003		1	U			ASREQ
	<i>Noun:</i> AWARD FEE FOR CLIN 0001 <i>ACRN:</i> 9 <i>Descriptive Data:</i> Delivery in accordance with JTRS Award Fee Plan, Attachment 7 to the basic contract.					

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

FEDERAL ACQUISITION REGULATION CONTRACT CLAUSES

52.242-15	STOP-WORK ORDER (AUG 1989) - ALTERNATE I (APR 1984)
52.247-34	F.O.B. DESTINATION (NOV 1991)

<u>ACRN</u>	<u>Appropriation/Lmt Subhead/Supplemental Accounting Data</u>	<u>Obligation Amount</u>
-------------	---	------------------------------

AA

57 33600 293 3650 655068 000000 00000 64280F 503000 F78100
Descriptive data:
COMPLETE

AB

57 43600 294 3650 655068 000000 00000 64280F 503000 F78100
Descriptive data:
COMPLETE

NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

OTHER CONTRACT CLAUSES IN FULL TEXT

ESC-G001 ADMINISTRATIVE INFORMATION (JAN 2003)

1. Administrative Information
 - a. Contracting Officer Representative: Ann Marie Bastek
 - b. Contracting Officer: Richard Fox
 - c. Office Symbol of Purchasing Officer: ESC/DIGK
 - d. Telephone Number: (781) 377-7512
 - e. Facsimile Number (781) 377-2657
 - f. Internet Address: ann.bastek@hanscom.af.mil

2. Instructions Regarding Patent Clause

The ACO will forward all documentation (reports, invention disclosures, notices, requests) and other information concerning patents to the following addressee:

ESC/JAZ (Patent Counsel)
40 Wright Street, Bldg 1120
Hanscom AFB, MA 01731

3. Transportation Office: Transportation Officer

To be provided by offeror

4. Submit Invoices/Vouchers

To be provided by offeror

ESC-G002 INCREMENTAL FUNDING WITH SCHEDULE (JAN 2003)

It is anticipated that funding for this contract will be provided in accordance with the following schedule:

Award through _____ Months After Contract
_____ Months through contract completion

This clause is provided as supplemental information. The contractor should expend funds in accordance with FAR Clause 52.232-22 in Section I.

ESC-G003 REMITTANCE ADDRESS (JAN 2003)

Remittance Address:

- a. For regular mail: To be provided by offeror
- b. For electronic funds and bank wire: To be provided by offeror

G006 INVOICE AND PAYMENT - COST REIMBURSEMENT (FEB 1997) (TAILORED)

Invoices (or public vouchers), supported by a statement of cost for performance under this contract, shall be submitted to the cognizant Defense Contract Audit Agency (DCAA) office. Under the provisions of DFARS

242.803(b), the DCAA auditor, is designated as the authorized representative of the contracting officer (CO) for examining vouchers received directly from the contractor. A copy of all invoices shall be sent to the program office (ESC/DIX, 5 Eglin Street, Hanscom AFB, MA 01731-2100).

G014 IMPLEMENTATION OF PATENT RIGHTS CLAUSE (SEP 1999) (TAILORED)

All documents and information required by the patent rights and/or patent reporting clauses set forth in Section I of this contract shall be submitted to the Administrative Contracting Officer and to ESC/JAZ (Patent Counsel), 40 Wright Street, Building 1120, Hanscom AFB, MA 01731-2903. The ESC/JAZ patent administrator can be reached at 781-377-4074.

This notice also constitutes a request (see FAR 52.227-12(f)(10) or DFARS 252.227-7039(c), as applicable) for submission of a copy of the patent application, when filed, along with the patent application serial number, filing date, subsequent U.S. patent number and issue date, as received.

G015 IMPLEMENTATION OF TAXPAYER IDENTIFICATION NUMBER (APR 1998)

In accordance with FAR 52.204-03, Taxpayer Identification Number is to be provided by offeror .

NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

OTHER CONTRACT CLAUSES IN FULL TEXT

ESC-H002 LIMITATION ON SOURCES (MAR 2003)

NOTE: This clause is not applicable to Pre-SDD however, this clause shall be applicable to any subsequent SDD contract.

The JTRS Program requires two sources for each configuration of the JTR System being engineered under this effort. The benefits of this multiple sourcing include future economic and technological competition and increased production capacity. To assure that the Prime System Contractor's system engineering decisions remain objective, the Prime System Contractor is precluded from being the source of any Line Replaceable Unit (LRU), LRU subassembly, or module to be delivered under this contract that is considered critical to the digital processing of the JTRS waveforms, except when the Contracting Officer, on a case-by-case basis, grants in writing any deviation from the exclusion subsequent to contract award.

ESC-H003 TECHNICAL REVIEW LINCOLN LABORATORIES AND THE MITRE CORPORATION (JAN 2003)

(a) The Government has contracted with Lincoln Laboratories and the MITRE Corporation for the services of a technical group which, under the program management of the Electronic Systems Center, is responsible to the Government for overall technical review of certain Government programs, including the efforts under this contract.

(b) Explanation of Lincoln Laboratories and the MITRE Corporation Role

(1) Technical Review is defined as the process of continually reviewing the technical efforts of Contractors. It does not include any modification, realignment, or redirection of Contractor efforts under this contract; such action may be effected only by the prior written direction of the Procuring Contracting Officer.

(2) The purpose of the review is to:

(i) Evaluate from a technical standpoint whether system concept and performance can be expected to be achieved on schedule and within cost.

(ii) Assure that the impact of new data, new developments and modified requirements is properly assessed and exploited.

(iii) Assure that Lincoln Laboratories and the MITRE Corporation has available data on the status and technology of Government programs and projects to enable it to carry out its inter-system integration responsibilities to the Government.

(3) Lincoln Laboratories and the MITRE Corporation has agreed not to engage in the manufacture or the production of hardware or software, to refrain from disclosing proprietary information to unauthorized personnel, and not to compete with any profit seeking concern.

(c) The Contractor agrees to cooperate with Lincoln Laboratories and the MITRE Corporation by engaging in technical discussions with Lincoln Laboratories and the MITRE Corporation personnel, and permitting Lincoln Laboratories and the MITRE Corporation personnel access to information and data relating to technical matters (including cost and schedule) concerning this contract to the same degree such access is accorded Government project personnel.

(d) It is expressly understood that the operation of this clause will not be the basis for an equitable adjustment. Modifications, realignment or redirection of the Contractor's technical efforts and/or contract requirements shall be effected only by the written direction of the Contracting Officer.

H025 INCORPORATION OF SECTION K (OCT 1998)

Section K of the solicitation is hereby incorporated by reference.

H033 SOLICITATION NUMBER (APR 1998)

Solicitation Number: F19628-03-R-0052

H088 POINT OF CONTACT (MAR 2003)

The Contracting Officer (CO) Mr. Richard Fox and the Contract Specialist (CS) Ms. Ann Marie Bastek are the points of contact for this acquisition. The CO can be contacted telephonically at (781) 377-6395, by fax at (781) 377-2657 or email at richard.fox@hanscom.af.mil. The (CS) can be contacted telephonically at (781) 377-7512, by fax at (781) 377-2657 or email at ann.bastek@hanscom.af.mil.

Contract Clauses in this section are from the FAR, Defense FAR Sup, Air Force FAR Sup, and the Air Force Materiel Command FAR Sup, and are current through the following updates:

Database_Version: 5.4.x.000; Issued: 7/31/2003; Clauses: ; FAR: FAC 2001-14; DFAR: DCN20030620; DL: DL 98-021; Class Deviations: CD 2003o0003; AFFAR: 2002 Edition; AFMCFAR: AFMCAC 02-01; AFAC: AFAC 2003-0501; IPN: 98-009

I. NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

A. FEDERAL ACQUISITION REGULATION CONTRACT CLAUSES

52.202-01	DEFINITIONS (DEC 2001)
52.203-03	GRATUITIES (APR 1984)
52.203-05	COVENANT AGAINST CONTINGENT FEES (APR 1984)
52.203-06	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT (JUL 1995)
52.203-07	ANTI-KICKBACK PROCEDURES (JUL 1995)
52.203-08	CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY (JAN 1997)
52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY (JAN 1997)
52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (JUN 1997)
52.204-02	SECURITY REQUIREMENTS (AUG 1996)
52.204-04	PRINTED OR COPIED DOUBLE-SIDED ON RECYCLED PAPER (AUG 2000)
52.209-06	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT (JUL 1995)
52.215-02	AUDIT AND RECORDS -- NEGOTIATION (JUN 1999)
52.215-08	ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT (OCT 1997)
52.215-11	PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA--MODIFICATIONS (OCT 1997)
52.215-13	SUBCONTRACTOR COST OR PRICING DATA--MODIFICATIONS (OCT 1997)
52.215-14	INTEGRITY OF UNIT PRICES (OCT 1997)
52.215-15	PENSION ADJUSTMENTS AND ASSET REVERSIONS (DEC 1998)
52.215-18	REVERSION OR ADJUSTMENT OF PLANS FOR POSTRETIREMENT BENEFITS (PRB) OTHER THAN PENSIONS (OCT 1997)
52.215-19	NOTIFICATION OF OWNERSHIP CHANGES (OCT 1997)
52.215-21	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA--MODIFICATIONS (OCT 1997) - ALTERNATE III (OCT 1997) Alt III, Para (c), Submit the cost portion of the proposal via the following electronic media: 'electronic cost format spreadsheets'
52.216-07	ALLOWABLE COST AND PAYMENT (DEC 2002)
52.219-04	NOTICE OF PRICE EVALUATION PREFERENCE FOR HUBZONE SMALL BUSINESS CONCERNS (JAN 1999)
52.219-08	UTILIZATION OF SMALL BUSINESS CONCERNS (OCT 2000)
52.219-09	SMALL BUSINESS SUBCONTRACTING PLAN (JAN 2002) - ALTERNATE II (OCT 2001)
52.219-16	LIQUIDATED DAMAGES -- SUBCONTRACTING PLAN (JAN 1999)
52.219-25	SMALL DISADVANTAGED BUSINESS PARTICIPATION PROGRAM--DISADVANTAGED STATUS AND REPORTING (OCT 1999)
52.222-02	PAYMENT FOR OVERTIME PREMIUMS (JUL 1990) Para (a), Dollar amount is 'zero'
52.222-03	CONVICT LABOR (AUG 1996)
52.222-21	PROHIBITION OF SEGREGATED FACILITIES (FEB 1999)
52.222-26	EQUAL OPPORTUNITY (APR 2002)

52.222-35	EQUAL OPPORTUNITY FOR SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS (DEC 2001)
52.222-36	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES (JUN 1998)
52.222-37	EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS (DEC 2001)
52.223-06	DRUG-FREE WORKPLACE (MAY 2001)
52.223-14	TOXIC CHEMICAL RELEASE REPORTING (OCT 2000)
52.224-01	PRIVACY ACT NOTIFICATION (APR 1984)
52.224-02	PRIVACY ACT (APR 1984)
52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (DEVIATION) (JUN 2003)
52.227-01	AUTHORIZATION AND CONSENT (JUL 1995)
52.227-02	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT (AUG 1996)
52.227-10	FILING OF PATENT APPLICATIONS -- CLASSIFIED SUBJECT MATTER (APR 1984)
52.227-11	PATENT RIGHTS -- RETENTION BY THE CONTRACTOR (SHORT FORM) (JUN 1997) Para (l), Communications: 'Complete according to agency instructions.'
52.227-12	PATENT RIGHTS -- RETENTION BY THE CONTRACTOR (LONG FORM) (JAN 1997) para (l), insert agency instructions for communications 'See Section G, G014'
52.228-07	INSURANCE -- LIABILITY TO THIRD PERSONS (MAR 1996)
52.230-02	COST ACCOUNTING STANDARDS (APR 1998)
52.230-06	ADMINISTRATION OF COST ACCOUNTING STANDARDS (NOV 1999)
52.232-17	INTEREST (JUN 1996)
52.232-22	LIMITATION OF FUNDS (APR 1984)
52.232-23	ASSIGNMENT OF CLAIMS (JAN 1986)
52.232-25	PROMPT PAYMENT (FEB 2002) - ALTERNATE I (FEB 2002)
52.232-33	PAYMENT BY ELECTRONIC FUNDS TRANSFER--CENTRAL CONTRACTOR REGISTRATION (MAY 1999)
52.233-01	DISPUTES (JUL 2002) - ALTERNATE I (DEC 1991)
52.233-03	PROTEST AFTER AWARD (AUG 1996) - ALTERNATE I (JUN 1985)
52.234-01	INDUSTRIAL RESOURCES DEVELOPED UNDER DEFENSE PRODUCTION ACT TITLE III (DEC 1994)
52.242-01	NOTICE OF INTENT TO DISALLOW COSTS (APR 1984)
52.242-03	PENALTIES FOR UNALLOWABLE COSTS (MAY 2001)
52.242-04	CERTIFICATION OF FINAL INDIRECT COSTS (JAN 1997)
52.242-13	BANKRUPTCY (JUL 1995)
52.243-02	CHANGES -- COST-REIMBURSEMENT (AUG 1987) - ALTERNATE I (APR 1984)
52.243-06	CHANGE ORDER ACCOUNTING (APR 1984)
52.243-07	NOTIFICATION OF CHANGES (APR 1984) Para (b), Number of calendar days is (insert 30 for RDSS/C) '30 days' Para (d), Number of calendar days is (insert 30 for RDSS/C) '30 days'
52.244-02	SUBCONTRACTS (AUG 1998) - ALTERNATE I (AUG 1998) Para (e), Contractor shall obtain the Contracting Officer's written consent before placing the following subcontracts: 'TBD' Para (k), Insert subcontracts which were evaluated during negotiations: 'TBD'
52.244-05	COMPETITION IN SUBCONTRACTING (DEC 1996)
52.244-06	SUBCONTRACTS FOR COMMERCIAL ITEMS (MAY 2002)
52.246-23	LIMITATION OF LIABILITY (FEB 1997)
52.246-25	LIMITATION OF LIABILITY -- SERVICES (FEB 1997)
52.247-01	COMMERCIAL BILL OF LADING NOTATIONS (APR 1984)
52.247-67	SUBMISSION OF COMMERCIAL TRANSPORTATION BILLS TO THE GENERAL SERVICES ADMINISTRATION FOR AUDIT (JUN 1997)
52.249-06	TERMINATION (COST-REIMBURSEMENT) (SEP 1996)
52.249-14	EXCUSABLE DELAYS (APR 1984)
52.253-01	COMPUTER GENERATED FORMS (JAN 1991)

B. DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT CONTRACT CLAUSES

252.203-7001	PROHIBITION ON PERSONS CONVICTED OF FRAUD OR OTHER DEFENSE- CONTRACT-RELATED FELONIES (MAR 1999)
252.203-7002	DISPLAY OF DOD HOTLINE POSTER (DEC 1991)
252.204-7000	DISCLOSURE OF INFORMATION (DEC 1991)
252.204-7002	PAYMENT FOR SUBLINE ITEMS NOT SEPARATELY PRICED (DEC 1991)
252.204-7003	CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT (APR 1992)
252.204-7004	REQUIRED CENTRAL CONTRACTOR REGISTRATION (NOV 2001)
252.204-7005	ORAL ATTESTATION OF SECURITY RESPONSIBILITIES (NOV 2001)
252.205-7000	PROVISION OF INFORMATION TO COOPERATIVE AGREEMENT HOLDERS (DEC 1991)
252.209-7000	ACQUISITION FROM SUBCONTRACTORS SUBJECT TO ON-SITE INSPECTION UNDER THE INTERMEDIATE-RANGE NUCLEAR FORCES (INF) TREATY (NOV 1995)
252.209-7004	SUBCONTRACTING WITH FIRMS THAT ARE OWNED OR CONTROLLED BY THE GOVERNMENT OF A TERRORIST COUNTRY (MAR 1998)
252.211-7000	ACQUISITION STREAMLINING (DEC 1991)
252.215-7000	PRICING ADJUSTMENTS (DEC 1991)
252.215-7002	COST ESTIMATING SYSTEM REQUIREMENTS (OCT 1998)
252.219-7003	SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS SUBCONTRACTING PLAN (DOD CONTRACTS) (APR 1996)
252.219-7004	SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS SUBCONTRACTING PLAN (TEST PROGRAM) (JUN 1997)
252.223-7004	DRUG-FREE WORK FORCE (SEP 1988)
252.225-7001	BUY AMERICAN ACT AND BALANCE OF PAYMENTS PROGRAM (APR 2003)
252.225-7002	QUALIFYING COUNTRY SOURCES AS SUBCONTRACTORS (APR 2003)
252.225-7004	REPORTING OF CONTRACT PERFORMANCE OUTSIDE THE UNITED STATES (APR 2003)
252.225-7012	PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES (FEB 2003)
252.225-7031	SECONDARY ARAB BOYCOTT OF ISRAEL (JUN 1992)
252.226-7001	UTILIZATION OF INDIAN ORGANIZATIONS AND INDIAN-OWNED ECONOMIC ENTERPRISES-DOD CONTRACTS (SEP 2001)
252.227-7013	RIGHTS IN TECHNICAL DATA--NONCOMMERCIAL ITEMS (NOV 1995)
252.227-7015	TECHNICAL DATA--COMMERCIAL ITEMS (NOV 1995)
252.227-7016	RIGHTS IN BID OR PROPOSAL INFORMATION (JUN 1995)
252.227-7030	TECHNICAL DATA--WITHHOLDING OF PAYMENT (MAR 2000)
252.227-7034	PATENTS--SUBCONTRACTS (APR 1984)
252.227-7036	DECLARATION OF TECHNICAL DATA CONFORMITY (JAN 1997)
252.227-7037	VALIDATION OF RESTRICTIVE MARKINGS ON TECHNICAL DATA (SEP 1999)
252.227-7039	PATENTS--REPORTING OF SUBJECT INVENTIONS (APR 1990)
252.231-7000	SUPPLEMENTAL COST PRINCIPLES (DEC 1991)
252.232-7003	ELECTRONIC SUBMISSION OF PAYMENT REQUESTS (MAR 2003)
252.234-7001	EARNED VALUE MANAGEMENT SYSTEM (MAR 1998) Para (f), Subcontractors selected for application of EVMS: 'TBD'
252.235-7001	INDEMNIFICATION UNDER 10 U.S.C. 2354--COST REIMBURSEMENT (DEC 1991)
252.242-7000	POSTAWARD CONFERENCE (DEC 1991)
252.242-7004	MATERIAL MANAGEMENT AND ACCOUNTING SYSTEM (DEC 2000)
252.242-7005	COST/SCHEDULE STATUS REPORT (MAR 1998)
252.243-7001	PRICING OF CONTRACT MODIFICATIONS (DEC 1991)
252.243-7002	REQUESTS FOR EQUITABLE ADJUSTMENT (MAR 1998)
252.244-7000	SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (DOD CONTRACTS) (MAR 2000)
252.246-7001	WARRANTY OF DATA (DEC 1991)
252.247-7023	TRANSPORTATION OF SUPPLIES BY SEA (MAY 2002)
252.249-7002	NOTIFICATION OF ANTICIPATED CONTRACT TERMINATION OR REDUCTION (DEC 1996)

C. AIR FORCE FEDERAL ACQUISITION REGULATION SUPPLEMENT CONTRACT CLAUSES

5352.223-9000 ELIMINATION OF USE OF CLASS I OZONE DEPLETING SUBSTANCES (ODS) (MAY 1996)
Para (d), Substances are "NONE"

II. NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

A. FEDERAL ACQUISITION REGULATION CONTRACT CLAUSES IN FULL TEXT

52.211-15 DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS (SEP 1990)

This is a rated order certified for national defense use, and the Contractor shall follow all the requirements of the Defense Priorities and Allocations System regulation (15 CFR 700).

52.252-02 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es): <http://farsite.hill.af.mil/>

52.252-06 AUTHORIZED DEVIATIONS IN CLAUSES (APR 1984)

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the clause.

(b) The use in this solicitation or contract of any Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

B. AIR FORCE MATERIEL COMMAND FEDERAL ACQUISITION REGULATION SUPPLEMENT CONTRACT CLAUSES IN FULL TEXT

5352.215-9008 ENABLING CLAUSE BETWEEN PRIME CONTRACTORS AND SERVICE CONTRACTORS (AFMC) (JUL 1997) (TAILORED)

(a) The Air Force has entered into contracts with

Dynamics Research Corporation
60 Frontage Road
Andover, MA 01810

ACS Defense, Incorporated
5 Burlington Woods
Burlington, MA 01803

ARINC, Incorporated
70 Westview Street
Lexington, MA 02173

Tecolote Research, Incorporated
54 Middlesex Turnpike
Bedford, MA 01730

BTAS, Incorporated
3572 Dayton-Xenia Road
Suite 210
Beavercreek, OH 45432

MCR Federal, Incorporated
175 Middlesex Turnpike
Bedford, MA 01730

MATCOM
420 Bedford Street
Suite 140
Lexington, MA 02420

Odyssey Systems Consulting Group, Ltd
201 Edgewater Drive
Suite 270
Wakefield, MA 01880

Titan Systems Corporation
700 Technology Park Drive
Billerica, MA 01821

for services to provide technical, evaluation, and acquisition management support.

(b) The National Security Agency (NSA) entered into contracts with

Booz Allen Hamilton
900 Elkridge Landing Rd
Suite 100
Linthicum, MD 21090

The Titan Corporation
7480 Candlewood Rd.
Hanover, MD 20701

for services to provide technical, evaluation, and acquisition management support.

(c) Service tasks involve the application of a broad range of education, skills, knowledge, and experience in many disciplines in support of weapon system acquisition tasks. Tasks involve:

1. Evaluate from a technical and financial standpoint whether system concept and performance can be expected to be achieved on schedule and within cost.
2. Assure that the impact of new data, new developments, and modified requirements is properly assessed and exploited.

(d) In the performance of this contract, the Contractor agrees to cooperate with contractors listed under paragraph (a) above by: responding to invitations from authorized personnel to attend meetings; providing access to technical information and research, development and planning data, test data and results, schedule and milestone data, financial data including the Contractor's cost/schedule management system/records and accounting system, all in original form or reproduced; discussing technical matters related to the program; providing access to Contractor facilities utilized in the performance of this contract; and allowing observation of technical activities by appropriate support Contractor technical personnel.

(e) The Contractor further agrees to include in each subcontract over \$1 million or 10 percent of prime contract value, whichever is less, a clause requiring compliance by a subcontractor and succeeding levels of subcontractors with the response and access provisions of paragraph (c) above, subject to coordination with the Contractor. This agreement does not relieve the Contractor of responsibility to manage subcontracts effectively and efficiently, nor is it intended to establish privity of contracts between the Government or the service Contractor(s) and such subcontractors.

(f) Service Contractor personnel are not authorized to direct a Contractor in any manner.

(g) Service contracts contain an organizational conflict of interest clause that requires the service Contractors to protect the data and prohibits the service Contractors from using the data for any purpose other than that for which the data was presented.

(h) Neither the Contractor nor their subcontractors shall be required in the satisfaction of the requirements of this clause to perform any effort or supply any documentation not otherwise required by their contract or subcontract.

DOCUMENT	PGS	DATE	TITLE
EXHIBIT A	33	21 JUL 2003	CONTRACT DATA REQUIREMENTS LIST (CDRL), DD FORM 1423
ATTACHMENT 1	9	21 JUL 2003	STATEMENT OF OBJECTIVES (SOO) FOR THE AIRBORNE JOINT TACTICAL RADIO SYSTEM (JTRS) CLUSTER 4 PRE-SYSTEM DEVELOPMENT AND DEMONSTRATION (PRE-SDD) PHASE
ATTACHMENT 2	140	09 APR 2003	JTRS JOINT OPERATIONAL REQUIREMENTS DOCUMENT (ORD) REV # 3.2
ATTACHMENT 3	7	21 JUL 2003	JTRS COST FORMATS (EXCEL WORKBOOK CONSISTING OF 7 WORKSHEETS)
ATTACHMENT 4	155	18 JUL 2003	SERVICE MIGRATION PLANS (AVAILABLE IN BIDDER'S LIBRARY AND LIVELINK)
ATTACHMENT 5	68	29 NOV 2001	WIDEBAND NETWORK WAVEFORM (WNW) FUNCTIONAL DESCRIPTION DOCUMENT (FDD), VERSION 2.21
ATTACHMENT 6	229		JTRS JOINT CONOPS VERSION 3.0 FOUO (01JUN02), AND DRAFT VERSION 4.0 (BOTH AVAILABLE IN BIDDER'S LIBRARY AND LIVELINK)
ATTACHMENT 7	17	15 JUL 2003	AWARD FEE PLAN FOR THE SUCCESSFUL COMPLETION OF PRE-SDD FOR THE AIRBORNE JTRS CLUSTER 4 PROGRAM
ATTACHMENT 8	4	21 JUL 2003	WORK BREAKDOWN STRUCTURE (WBS)
ATTACHMENT 9	6	17 JUL 2003	PAST PERFORMANCE INFORMATION AND QUESTIONNAIRE
ATTACHMENT 10	TBD		SMALL BUSINESS SUBCONTRACTING PLAN
ATTACHMENT 11	3	20 JUN 2003	AIRBORNE JOINT TACTICAL RADIO SYSTEM (JTRS) CLUSTER 4 GLOSSARY
ATTACHMENT 12	8	27 JUN 2003	DOD CONTRACT SECURITY CLASSIFICATION SPECIFICATION, DD FORM 254 (DISTRIBUTION LIMITED TO PCO, ACO AND CONTRACTOR ONLY)
ATTACHMENT 13	23	20 JUN 2003	AIRBORNE JTRS CLUSTER 4 SECURITY CLASSIFICATION GUIDE
ATTACHMENT 14	74	01 DEC 2002	AF C2 ENTERPRISE TECHNICAL REFERENCE ARCHITECTURE, VERSION 3.0
ATTACHMENT 15	863	17 NOV 2001	SOFTWARE COMMUNICATION ARCHITECTURE, VERSION 2.2 (SPECIFICATION, ATTACHMENTS AND SUPPLEMENTS CAN BE RETRIEVED AT THE

			FOLLOWING WEBSITE: "HTTP://JTRS.ARMY.MIL/PAGES/SECTIONS/REFERENCEDOCUMENTS/FSET_REFERENCEDOCUMENTS.HTML")
ATTACHMENT 16	24	30 JUN 2003	TELECOMMUNICATIONS SECURITY REQUIREMENTS DOCUMENT (TSRD) FOR THE JTRS CLUSTER 4 PRE-SDD PROGRAM (AVAILABLE IN BIDDER'S LIBRARY AND LIVELINK)
ATTACHMENT 17	979		INTERFACE CONTROL DOCUMENT FOR THE RT-1851(C)/ARC RECEIVER-TRANSMITTER, REV-, P/N 963-1910-001 (AVAILABLE IN BIDDER'S LIBRARY AND LIVELINK)
ATTACHMENT 18	3	09 JUN 2003	INTERNET PROTOCOL VERSION 6 (IPV6) (AVAILABLE IN BIDDER'S LIBRARY AND LIVELINK)
ATTACHMENT 19	101		SYSTEM SEGMENT SPECIFICATION - ARC 210 RT 1851(C)/ARC RECEIVER-TRANSMITTER, REV A, P/N 987-2574-001 (AVAILABLE IN BIDDER'S LIBRARY AND LIVELINK)

I. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated by reference:

A. FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS

52.222-38 COMPLIANCE WITH VETERANS' EMPLOYMENT REPORTING REQUIREMENTS (DEC 2001)

B. DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT SOLICITATION PROVISIONS

252.209-7001 DISCLOSURE OF OWNERSHIP OR CONTROL BY THE GOVERNMENT OF A
TERRORIST COUNTRY (MAR 1998)

252.225-7003 REPORT OF INTENDED PERFORMANCE OUTSIDE THE UNITED STATES (APR 2003)

II. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated in full text:

A. FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS IN FULL TEXT

**52.203-11 CERTIFICATION AND DISCLOSURE REGARDING PAYMENTS TO INFLUENCE
CERTAIN FEDERAL TRANSACTIONS (DEVIATION) (APR 1991)**

(Applicable only to this instant procurement, not to 'any' contract, and only if proposal or resultant contract is in excess of \$100,000).

(a) The definitions and prohibitions contained in the clause, at FAR 52.203-12, Limitation on Payments to Influence Certain Federal Transactions, included in this solicitation, are hereby incorporated by reference in paragraph (b) of this certification.

(b) The offeror, by signing its offer, hereby certifies to the best of his or her knowledge and belief that on or after December 23, 1989--

(1) No Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan, or cooperative agreement;

(2) If any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with this solicitation, the offeror shall complete and submit, with its offer, OMB standard form LLL, Disclosure of Lobbying Activities, to the Contracting Officer; and

(3) He or she will include the language of this certification in all subcontract awards at any tier and require that all recipients of subcontract awards in excess of \$100,000 shall certify and disclose accordingly.

(c) Submission of this certification and disclosure is a prerequisite for making or entering into this contract imposed by section 1352, title 31, United States Code. Any person who makes an expenditure prohibited under this provision or who fails to file or amend the disclosure form to be filed or amended by this provision, shall be subject to a civil penalty of not less than \$10,000, and not more than \$100,000, for each such failure.

52.204-03 TAXPAYER IDENTIFICATION (OCT 1998)

(a) Definitions.

Common parent, as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

Taxpayer Identification Number (TIN), as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN).

☐ TIN:-----

☐ TIN has been applied for.

☐ TIN is not required because:

☐ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

☐ Offeror is an agency or instrumentality of a foreign government;

☐ Offeror is an agency or instrumentality of the Federal Government.

(e) Type of organization.

☐ Sole proprietorship;

☐ Partnership;

☐ Corporate entity (not tax-exempt);

☐ Corporate entity (tax-exempt);

☐ Government entity (Federal, State, or local);

☐ Foreign government;

☐ International organization per 26 CFR 1.6049-4;

[] Other-----

(f) Common parent.

[] Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.

[] Name and TIN of common parent:

Name-----

TIN-----

52.204-05 WOMEN-OWNED BUSINESS (OTHER THAN SMALL BUSINESS) (MAY 1999)

(a) Definition. "Women-owned business concern," as used in this provision, means a concern that is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of its stock is owned by one or more women; and whose management and daily business operations are controlled by one or more women.

(b) Representation. (Complete only if the offeror is a women-owned business concern and has not represented itself as a small business concern in paragraph (b)(1) of FAR 52.219-1, Small Business Program Representation, of this solicitation.) The offeror represents that it [] is, [] is not a women-owned business concern.

52.209-05 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS (DEC 2001)

(a)

(1) The Offeror certifies, to the best of its knowledge and belief, that --

(i) The Offeror and/or any of its Principals --

(A) Are [] are not [] presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

(B) Have [] have not [], within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(C) Are [] are not [] presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph (a)(1)(i)(B) of this provision.

(ii) The offeror has [] has not [] within a three-year period preceding this officer, had one or more contracts terminated for default by any Federal agency.

(2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

This Certification Concerns a Matter Within the Jurisdiction of an Agency of the United States and the Making of a False, Fictitious, or Fraudulent Certification May Render the Maker Subject to Prosecution Under Section 1001, Title 18, United States Code.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsive.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

52.215-06 PLACE OF PERFORMANCE (OCT 1997)

(a) The offeror or respondent, in the performance of any contract resulting from this solicitation, [] intends, [] does not intend [check applicable block] to use one or more plants or facilities located at a different address from the address of the offeror or respondent as indicated in this proposal or response to request for information.

(b) If the offeror or respondent checks "intends" in paragraph (a) of this provision, it shall insert in the following spaces the required information:

Place of performance (street address, city, state, county, zip code)	Name and Address of Owner and Operator of the Plant or Facility if Other Than Offeror or Respondent
--	--

52.219-01 SMALL BUSINESS PROGRAM REPRESENTATIONS (APR 2002) - ALTERNATE I (APR 2002)

(a)

(1) The North American Industry Classification System (NAICS) code for this acquisition is 334220.

(2) The small business size standard is 750.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations.

(1) The offeror represents as part of its offer that it [] is, [] is not a small business concern.

(2) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it ☐ is, ☐ is not, a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ☐ is, ☐ is not a women-owned small business concern.

(4) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ☐ is, ☐ is not a veteran-owned small business concern.

(5) (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.) The offeror represents as part of its offer that it ☐ is, ☐ is not a service-disabled veteran-owned small business concern.

(6) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, as part of its offer, that--

(i) It ☐ is, ☐ is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It ☐ is, ☐ is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate of the HUBZone small business concern or concerns that are participating in the joint venture. [The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture:] Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(c) Definitions. As used in this provision--

"Service-disabled veteran-owned small business concern"-

(1) Means a small business concern-

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern," means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

"Veteran-owned small business concern" means a small business concern-

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern," means a small business concern --

(1) That is at least 51 percent owned by one or more women; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged, or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall --

(i) Be punished by imposition of fine, imprisonment, or both;

(ii) Be subject to administrative remedies, including suspension and debarment; and

(iii) Be ineligible for participation in programs conducted under the authority of the Act.

Alternate I (Apr 2002). As prescribed in 19.307(a)(2), add the following paragraph (b)(7) to the basic provision:

(7) [Complete if offeror represented itself as disadvantaged in paragraph (b)(2) of this provision.]
The offeror shall check the category in which its ownership falls:

___ Black American.

___ Hispanic American.

___ Native American (American Indians, Eskimos, Aleuts, or Native Hawaiians).

___ Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

___ Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

___ Individual/concern, other than one of the preceding.

52.219-22 SMALL DISADVANTAGED BUSINESS STATUS (OCT 1999)

(a) General. This provision is used to assess an offeror's small disadvantaged business status for the purpose of obtaining a benefit on this solicitation. Status as a small business and status as a small disadvantaged business for general statistical purposes is covered by the provision at FAR 52.219-1, Small Business Program Representation.

(b) Representations.

(1) General. The offeror represents, as part of its offer, that it is a small business under the size standard applicable to this acquisition; and either-

____(i) It has received certification by the Small Business Administration as a small disadvantaged business concern consistent with 13 CFR 124, Subpart B; and

(A) No material change in disadvantaged ownership and control has occurred since its certification; and

(B) Where the concern is owned by one or more disadvantaged individuals, the net worth of each individual upon whom the certification is based does not exceed \$750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); and

(C) It is identified, on the date of its representation, as a certified small disadvantaged business concern in the database maintained by the Small Business Administration (PRO-Net); or

____(ii) It has submitted a completed application to the Small Business Administration or a Private Certifier to be certified as a small disadvantaged business concern in accordance with 13 CFR 124, Subpart B, and a decision on that application is pending, and that no material change in disadvantaged ownership and control has occurred since its application was submitted.

(2) ____ For Joint Ventures. The offeror represents, as part of its offer, that it is a joint venture that complies with the requirements at 13 CFR 124.1002(f) and that the representation in paragraph (b)(1) of this provision is accurate for the small disadvantaged business concern that is participating in the joint venture. [The offeror shall enter the name of the small disadvantaged business concern that is participating in the joint venture: _____.]

(c) Penalties and Remedies. Anyone who misrepresents any aspects of the disadvantaged status of a concern for the purposes of securing a contract or subcontract shall:

(1) Be punished by imposition of a fine, imprisonment, or both;

(2) Be subject to administrative remedies, including suspension and debarment; and

(3) Be ineligible for participation in programs conducted under the authority of the Small Business Act.

52.222-22 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FEB 1999)

The offeror represents that--

(a) It [] has, [] has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;

(b) It [] has, [] has not, filed all required compliance reports; and

(c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

52.222-25 AFFIRMATIVE ACTION COMPLIANCE (APR 1984)

The offeror represents that

(a) It ☐ has developed and has on file, ☐ has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or

(b) It ☐ has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

52.223-13 CERTIFICATION OF TOXIC CHEMICAL RELEASE REPORTING (OCT 2000)

(a) Submission of this certification is a prerequisite for making or entering into this contract imposed by Executive Order 12969, August 8, 1995.-

(b) By signing this offer, the offeror certifies that----

(1) As the owner or operator of facilities that will be used in the performance of this contract that are subject to the filing and reporting requirements described in section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11023) and section 6607 of the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13106), the offeror will file and continue to file for such facilities for the life of the contract the Toxic Chemical Release Inventory Form (Form R) as described in sections 313(a) and (g) of EPCRA and section 6607 of PPA; or--

(2) None of its owned or operated facilities to be used in the performance of this contract is subject to the Form R filing and reporting requirements because each such facility is exempt for at least one of the following reasons: (Check each block that is applicable.)-

____ (i) The facility does not manufacture, process, or otherwise use any toxic chemicals listed under section 313(c) of EPCRA, 42 U.S.C. 11023(c);-

____ (ii) The facility does not have 10 or more full-time employees as specified in section 313(b)(1)(A) of EPCRA, 42 U.S.C. 11023(b)(1)(A);-

____ (iii) The facility does not meet the reporting thresholds of toxic chemicals established under section 313(f) of EPCRA, 42 U.S.C. 11023(f) (including the alternate thresholds at 40 CFR 372.27, provided an appropriate certification form has been filed with EPA);

____ (iv) The facility does not fall within Standard Industrial Classification Code (SIC) major groups 20 through 39 or their corresponding North American Industry Classification System (NAICS) sectors 31 through 33; or

____ (v) The facility is not located within any State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, the Northern Mariana Islands, or any other territory or possession over which the United States has jurisdiction.

52.227-06 ROYALTY INFORMATION (APR 1984) - ALTERNATE I (APR 1984)

(a) Cost or charges for royalties. When the response to this solicitation contains costs or charges for royalties totaling more than \$250, the following information shall be included in the response relating to each separate item of royalty or license fee:

- (1) Name and address of licensor.
 - (2) Date of license agreement.
 - (3) Patent numbers, patent application serial numbers, or other basis on which the royalty is payable.
 - (4) Brief description, including any part or model numbers of each contract item or component on which the royalty is payable.
 - (5) Percentage or dollar rate of royalty per unit.
 - (6) Unit price of contract item.
 - (7) Number of units.
 - (8) Total dollar amount of royalties.
- (b) Copies of current licenses. In addition, if specifically requested by the Contracting Officer before execution of the contract, the offeror shall furnish a copy of the current license agreement and an identification of applicable claims of specific patents.

Alternate I (APR 1984). Substitute the following for the introductory portion of paragraph (a) of the basic clause:

When the response to this solicitation covers charges for special construction or special assembly that contain costs or charges for royalties totaling more than \$250, the following information shall be included in the response relating to each separate item of royalty or license fee:

52.230-01 COST ACCOUNTING STANDARDS NOTICES AND CERTIFICATION (JUN 2000)

Note: This notice does not apply to small businesses or foreign governments. This notice is in three parts, identified by Roman numerals I through III.

Offerors shall examine each part and provide the requested information in order to determine Cost Accounting Standards (CAS) requirements applicable to any resultant contract.

If the offeror is an educational institution, Part II does not apply unless the contemplated contract will be subject to full or modified CAS coverage pursuant to 48 CFR 9903.201-2(c)(5) or 9903.201-2(c)(6), respectively.

I. DISCLOSURE STATEMENT--COST ACCOUNTING PRACTICES AND CERTIFICATION

(a) Any contract in excess of \$500,000 resulting from this solicitation will be subject to the requirements of the Cost Accounting Standards Board (48 CFR Chapter 99), except for those contracts which are exempt as specified in 48 CFR 9903.201-1.

(b) Any offeror submitting a proposal which, if accepted, will result in a contract subject to the requirements of 48 CFR Chapter 99 must, as a condition of contracting, submit a Disclosure Statement as required by 48 CFR 9903.202. When required, the Disclosure Statement must be submitted as a part of the offeror's proposal under this solicitation unless the offeror has already submitted a Disclosure Statement disclosing the practices used in connection with the pricing of this proposal. If an applicable Disclosure Statement has already been submitted, the offeror may satisfy the requirement for submission by providing the information requested in paragraph (c) of Part I of this provision.

CAUTION: In the absence of specific regulations or agreement, a practice disclosed in a Disclosure Statement shall not, by virtue of such disclosure, be deemed to be a proper, approved, or agreed-to practice for pricing proposals or accumulating and reporting contract performance cost data.

(c) Check the appropriate box below:

☐ (1) Certificate of Concurrent Submission of Disclosure Statement.

The offeror hereby certifies that, as a part of the offer, copies of the Disclosure Statement have been submitted as follows: (i) original and one copy to the cognizant Administrative Contracting Officer (ACO) or cognizant Federal agency official authorized to act in that capacity (Federal official), as applicable, and (ii) one copy to the cognizant Federal auditor.

(Disclosure must be on Form No. CASB DS-1 or CASB DS-2, as applicable. Forms may be obtained from the cognizant ACO or Federal official and/or from the loose-leaf version of the Federal Acquisition Regulation.)

Date of Disclosure Statement: _____
Name and Address of Cognizant ACO or Federal Official Where Filed:

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the Disclosure Statement.

☐ (2) Certificate of Previously Submitted Disclosure Statement.

The offeror hereby certifies that the required Disclosure Statement was filed as follows:

Date of Disclosure Statement: _____ Name and Address of Cognizant ACO or Federal
Official Where Filed: _____

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the applicable Disclosure Statement.

☐ (3) Certificate of Monetary Exemption.

The offeror hereby certifies that the offeror, together with all divisions, subsidiaries, and affiliates under common control, did not receive net awards of negotiated prime contracts and subcontracts subject to CAS totaling \$50 million or more in the cost accounting period immediately preceding the period in which this proposal was submitted. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

☐ (4) Certificate of Interim Exemption.

The offeror hereby certifies that (i) the offeror first exceeded the monetary exemption for disclosure, as defined in (3) of this subsection, in the cost accounting period immediately preceding the period in which this offer was submitted and (ii) in accordance with 48 CFR 9903.202-1, the offeror is not yet required to submit a Disclosure Statement. The offeror further certifies that if an award resulting from this proposal has not been made within 90 days after the end of that period, the offeror will immediately submit a revised certificate to the Contracting Officer, in the form specified under subparagraph (c)(1) or (c)(2) of Part I of this provision, as appropriate, to verify submission of a completed Disclosure Statement.

CAUTION: Offerors currently required to disclose because they were awarded a CAS-covered prime contract or subcontract of \$50 million or more in the current cost accounting period may not claim this exemption (4). Further, the exemption applies only in connection with proposals submitted before expiration of the 90-day period following the cost accounting period in which the monetary exemption was exceeded.

II. COST ACCOUNTING STANDARDS--ELIGIBILITY FOR MODIFIED CONTRACT COVERAGE

If the offeror is eligible to use the modified provisions of 48 CFR 9903.201-2(b) and elects to do so, the offeror shall indicate by checking the box below. Checking the box below shall mean that the resultant contract is subject to the Disclosure and Consistency of Cost Accounting Practices clause in lieu of the Cost Accounting Standards clause.

☐ The offeror hereby claims an exemption from the Cost Accounting Standards clause under the provisions of 48 CFR 9903.201-2(b) and certifies that the offeror is eligible for use of the Disclosure and Consistency of Cost Accounting Practices clause because during the cost accounting period immediately preceding the period in which this proposal was submitted, the offeror received less than \$50 million in awards of CAS-covered prime contracts and subcontracts. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

Caution: An offeror may not claim the above eligibility for modified contract coverage if this proposal is expected to result in the award of a CAS-covered contract of \$50 million or more or if, during its current cost accounting period, the offeror has been awarded a single CAS-covered prime contract or subcontract of \$50 million or more.

III. ADDITIONAL COST ACCOUNTING STANDARDS APPLICABLE TO EXISTING CONTRACTS

The offeror shall indicate below whether award of the contemplated contract would, in accordance with subparagraph (a)(3) of the Cost Accounting Standards clause, require a change in established cost accounting practices affecting existing contracts and subcontracts.

☐ YES ☐ NO

B. DEFENSE FAR SUPP SOLICITATION PROVISIONS IN FULL TEXT

252.225-7000 BUY AMERICAN ACT-- BALANCE OF PAYMENTS PROGRAM CERTIFICATE (SEP 1999)

(a) Definitions. "Domestic end product," "qualifying country," "qualifying country end product," and "nonqualifying country end product" have the meanings given in the Buy American Act and Balance of Payments Program clause of this solicitation.

(b) Evaluation. Offers will be evaluated by giving preference to domestic end products and qualifying country end products over nonqualifying country end products.

(c) Certifications.

(1) The Offeror certifies that--

(i) Each end product, except those listed in paragraphs (c)(2) or (3) of this provision, is a domestic end product; and

(ii) Components of unknown origin are considered to have been mined, produced, or manufactured outside the United States or a qualifying country.

(2) The Offeror certifies that the following end products are qualifying country end products:

Qualifying Country End Products	
Line Item Number	Country of Origin
_____	_____

(List only qualifying country end products.)

(3) The Offeror certifies that the following end products are nonqualifying country end products:

Nonqualifying Country End Products

Line Item Number

Country of Origin (If known)

**252.227-7017 IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE
RESTRICTIONS (JUN 1995)**

(a) The terms used in this provision are defined in following clause or clauses contained in this solicitation--

(1) If a successful offeror will be required to deliver technical data, the Rights in Technical Data--Noncommercial Items clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.

(2) If a successful offeror will not be required to deliver technical data, the Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.

(b) The identification and assertion requirements in this provision apply only to technical data, including computer software documentation, or computer software to be delivered with other than unlimited rights. For contracts to be awarded under the Small Business Innovative Research Program, the notification and identification requirements do not apply to technical data or computer software that will be generated under the resulting contract. Notification and identification is not required for restrictions based solely on copyright.

(c) Offers submitted in response to this solicitation shall identify, to the extent known at the time an offer is submitted to the Government, the technical data or computer software that the Offeror, its subcontractors or suppliers, or potential subcontractors or suppliers, assert should be furnished to the Government with restrictions on use, release, or disclosure.

(d) The Offeror's assertions, including the assertions of its subcontractors or suppliers or potential subcontractors or suppliers shall be submitted as an attachment to its offer in the following format, dated and signed by an official authorized to contractually obligate the Offeror:

Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Technical Data or Computer Software.

The Offeror asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following technical data or computer software should be restricted:

Technical Data or Computer Software to be Furnished With Restrictions*	Basis for Assertion**	Asserted Rights Category***	Name of Person Asserting Restrictions****
---	--------------------------	-----------------------------------	---

*For technical data (other than computer software documentation) pertaining to items, components, or processes developed at private expense, identify both the deliverable technical data and each such item, component, or process. For computer software or computer software documentation identify the software or documentation.

**Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions. For technical data, other than computer software documentation, development refers to development of the item, component, or process to which the data pertain. The Government's rights in computer software documentation generally may not be restricted. For computer software, development refers to the software. Indicate whether development was accomplished exclusively or partially at private expense. If development was not

accomplished at private expense, or for computer software documentation, enter the specific basis for asserting restrictions.

***Enter asserted rights category (e.g., government purpose license rights from a prior contract, rights in SBIR data generated under another contract, limited, restricted, or government purpose rights under this or a prior contract, or specially negotiated licenses).

***Corporation, individual, or other person, as appropriate.

*****Enter "none" when all data or software will be submitted without restrictions.

Date -----

Printed Name and Title -----

Signature -----

(End of identification and assertion)

(e) An offeror's failure to submit, complete, or sign the notification and identification required by paragraph (d) of this provision with its offer may render the offer ineligible for award.

(f) If the Offeror is awarded a contract, the assertions identified in paragraph (d) of this provision shall be listed in an attachment to that contract. Upon request by the Contracting Officer, the Offeror shall provide sufficient information to enable the Contracting Officer to evaluate any listed assertion.

252.247-7022 REPRESENTATION OF EXTENT OF TRANSPORTATION BY SEA (AUG 1992)

(a) The Offeror shall indicate by checking the appropriate blank in paragraph (b) of this provision whether transportation of supplies by sea is anticipated under the resultant contract. The term "supplies" is defined in the Transportation of Supplies by Sea clause of this solicitation.

(b) Representation. The Offeror represents that it--

____ Does anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

____ Does not anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(c) Any contract resulting from this solicitation will include the Transportation of Supplies by Sea clause. If the Offeror represents that it will not use ocean transportation, the resulting contract will also include the Defense FAR Supplement clause at 252.247-7024, Notification of Transportation of Supplies by Sea.

C. AIR FORCE MATERIEL COMMAND FEDERAL ACQUISITION REGULATION SUPPLEMENT SOLICITATION PROVISIONS IN FULL TEXT

5352.215-9007 USE OF NON-GOVERNMENT ADVISORS (AFMC) (NOV 1998)

(a) Offerors are advised that technical and cost/price data submitted to the Government in response to this solicitation may be released to non-Government advisors for review and analysis. The non-Government advisor support will be provided by:

Name of firm(s)

Dynamics Research Corporation
60 Frontage Road
Andover, MA 01810

ACS Defense, Incorporated
5 Burlington Woods
Burlington, MA 01803

ARINC, Incorporated
70 Westview Street
Lexington, MA 02173

Tecolote Research, Incorporated
54 Middlesex Turnpike
Bedford, MA 01731

BTAS, Incorporated
3572 Dayton-Xenia Road
Suite 210
Beavercreek, OH 45432

MCR Federal, Incorporated
175 Middlesex Turnpike
Bedford, MA 01731

MATCOM
420 Bedford Street
Suite 140
Lexington, MA 02420

Odyssey Systems Consulting Group, Ltd
201 Edgewater Drive
Suite 270
Wakefield, MA 01880

Booz Allen Hamilton
900 Elkridge Landing Road
Suite 100
Linthicum, MD 21090

The Titan Corporation
7480 Candlewood Road
Hanover, MD 20701

(b) Offerors shall complete paragraph (b)(2) or provide written objection to disclosure as indicated in paragraph (b)(1). If the offeror objects to disclosure of a portion of the proposal, the consent in (b)(2) should be provided for the remainder of the proposal.

(1) Any objection to disclosure:

(i) Shall be provided in writing to the contracting officer within 10 days of RFP issuance;
and

(ii) Shall include a detailed statement of the basis for the objection. The detailed statement shall identify the specific portions of the proposal the offeror objects to disclosure to non-Government advisors. (2) I understand technical and cost/price data submitted to the Government in response to this solicitation

may be released to non-Government advisors. I consent to release of any (unless objection is provided in (b)(1) above) proprietary, confidential, or privileged commercial or financial data provided by the firm(s) named below in response to this solicitation, to non-Government advisors for review and analysis:

Firm:

Name (individual authorized to commit firm):

Title:

Date of Execution:

D. OTHER SOLICITATION PROVISIONS IN FULL TEXT

K001 JOINT VENTURE (MAY 1997) (TAILORED)

In addition to the requirements of FAR 4.102, and to assure a single point of contact for resolution of contractual matters and payments under any resultant contract, each participant in a joint venture must complete and sign the certification hereunder. The completed certifications are to be provided with the offerors'/bidders' response to this solicitation.

The parties hereto expressly understand and agree as follows:

(a) ____ (name, title, company) is the principal representative of the joint venture. As such, all communications regarding the administration of the contract and the performance of the work thereunder may be directed to him or her. In the absence of ____ (same name, title, and company as above), ____ (name, title, and company of alternate) is the alternate principal representative of the joint venture.

(b) Direction, approvals, required notices, and all other communications from the Government to the joint venture, including transmittal of payments by the Government, must be directed to ____ (name, title and company of principal), principal representative of the joint venture.
(AF FAR Sup 5304.102(d))

FIRM ____ FIRM ____

NAME ____ NAME ____

TITLE ____ TITLE ____

DATE OF EXECUTION ____ DATE OF EXECUTION ____

NOTE: If additional signatures are required, submit the above certification, in the identical format, as an attachment to your response to this solicitation and complete this block indicating the same.

I. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated by reference:

A. FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS

52.204-06	DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER (JUN 1999)
52.211-14	NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990) Rated Order: 'DO'
52.215-01	INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION (MAY 2001)
52.215-01	INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION (MAY 2001) - ALTERNATE I (OCT 1997)
52.215-16	FACILITIES CAPITAL COST OF MONEY (OCT 1997)
52.215-20	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA (OCT 1997) - ALTERNATE III (OCT 1997) Alt III, Para (c) Submit the cost portion of the proposal via the following electronic media: 'electronic cost format spreadsheets'
52.216-01	TYPE OF CONTRACT (APR 1984) Type of contract is 'Cost Plus Award Fee'
52.219-24	SMALL DISADVANTAGED BUSINESS PARTICIPATION PROGRAM--TARGETS (THE PROVISION IS REVISED TO ADD THE FOLLOWING: 'ANY TARGETS WILL BE INCORPORATED INTO AND BECOME PART OF ANY RESULTING CONTRACT. SEE (H.6).') (OCT 2000)
52.222-24	PREAWARD ON-SITE EQUAL OPPORTUNITY COMPLIANCE EVALUATION (FEB 1999)
52.232-38	SUBMISSION OF ELECTRONIC FUNDS TRANSFER INFORMATION WITH OFFER (MAY 1999)

B. DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT SOLICITATION PROVISIONS

252.227-7028	TECHNICAL DATA OR COMPUTER SOFTWARE PREVIOUSLY DELIVERED TO THE GOVERNMENT (JUN 1995)
252.234-7000	NOTICE OF EARNED VALUE MANAGEMENT SYSTEM (MAR 1998)
252.242-7006	COST/SCHEDULE STATUS REPORT PLANS (MAR 1997)

II. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated in full text:

A. FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS IN FULL TEXT

52.252-01 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es): <http://farsite.hill.af.mil/>

52.252-05 AUTHORIZED DEVIATIONS IN PROVISIONS (APR 1984)

(a) The use in this solicitation of any Federal Acquisition Regulation (48 CFR Chapter 1) provision with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the provision.

(b) The use in this solicitation of any Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2) provision with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

B. OTHER SOLICITATION PROVISIONS IN FULL TEXT

52.233-2 SERVICE OF PROTEST (AUG 1996)

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from The issuing office as listed on page one of the contract.

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

ESC-L001 PARTICIPATION BY SUPPORT CONTRACTORS IN THE EVALUATION OF TECHNICAL/COST PROPOSALS (JAN 2003)

The Air Force has contracted with the support contractors cited in Section I clause 5352.215-9008. for the services of a technical group which is under the program management of the Electronic Systems Center, and responsible to the Air Force for overall technical review of specified Air Force programs. The Air Force contract with the support contractors and support contractor's employment contracts with its personnel, prohibit the unauthorized dissemination of data to which it or its employees have access. It is the Government's intent to use the services of the support contractors in a purely advisory role in the technical evaluation of offers. The exclusive responsibility for source selection remains with the Government. The Government also intends to provide the support contractor personnel access to past performance information, including Contractor Performance Assessment Report (CPAR) data, during formal source selection briefings, but only as it is presented by the Performance Risk Assessment Group (PRAG) at the summary level; access to actual completed CPARs will not be provided. If you desire that an individual support contractor be excluded from access to information contained in your offer or excluded from past performance information presented by the PRAG during briefings, kindly so indicate in a letter of transmittal accompanying your offer. These companies are the same as those currently supporting the DIG Program Office.

ESC-L002 PARTICIPATION BY LINCOLN LABORATORIES IN THE EVALUATION OF PROPOSALS (FEB 2003)

The Air Force has contracted with Lincoln Laboratories for the services of a technical group which is under the program management of the Electronic Systems Center, and responsible to the Air Force for overall technical review of specified Air Force programs. The Air Force contract with Lincoln Laboratories and Lincoln Laboratories employment contracts with its personnel, prohibit the unauthorized dissemination of data to which it or its employees have access. It is the Government's intent to use the services of Lincoln Laboratories in a purely advisory role in the technical evaluation of offers. The exclusive responsibility for source selection remains with the Government. The Government also intends to provide Lincoln Laboratories personnel access to past performance information, including Contractor Performance Assessment Report (CPAR) data, during formal source selection briefings, but only as it is presented by the Performance Risk Assessment Group (PRAG) at the summary level; access to actual completed CPARs will not be provided. If you desire that Lincoln Laboratories be excluded from access to information contained in your offer or excluded from past performance information presented by the PRAG during briefings, kindly so indicate in a letter of transmittal accompanying your offer.

L002 PARTICIPATION BY THE MITRE CORPORATION IN THE EVALUATION OF PROPOSALS (MAY 1997) (TAILORED)

The Air Force has contracted with The MITRE Corporation, a not-for profit corporation under Air Force sponsorship, for the services of a technical group which is under the program management of the Electronic Systems Center, and responsible to the Air Force for overall technical review of specified Air Force programs. The Air Force contract with The MITRE Corporation and MITRE's employment contracts with its personnel, prohibit the

unauthorized dissemination of data to which it or its employees have access. It is the Government's intent to use the services of The MITRE Corporation in a purely advisory role in the technical evaluation of offers. The exclusive responsibility for source selection remains with the Government. The Government also intends to provide MITRE personnel access to past performance information, including Contractor Performance Assessment Report (CPAR) data, during formal source selection briefings, but only as it is presented by the Performance Risk Assessment Group (PRAG) at the summary level; access to actual completed CPARs will not be provided. If you desire that MITRE be excluded from access to information contained in your offer or excluded from past performance information presented by the PRAG during briefings, kindly so indicate in a letter of transmittal accompanying your offer.

L011 APPLICABLE CLAUSES (MAY 2002)

The appropriate clauses to be included in the contract will be determined based on Offeror's response to the Section K representations.

(a) Patent Rights. If the Offeror is a small business firm or nonprofit organization, then FAR 52.227-11, PATENT RIGHTS-RETENTION BY THE CONTRACTOR (SHORT FORM), DFARS 252.227-7034, PATENTS - SUBCONTRACTS, and DFARS 252.227-7039, PATENTS - REPORTING OF SUBJECT INVENTIONS will be used in Section I. Otherwise, FAR 52.227-12, PATENT RIGHTS - RETENTION BY THE CONTRACTOR (LONG FORM), will be included in Section I consistent with FAR Part 27.

(b) Cost Accounting Standards. Section I of this solicitation may contain the three Cost Accounting Standards clauses at FAR 52.230-3, 52.230-4, 52.230-5, and/or 52.230-6. The resultant contract will contain only those clauses required based on the Offeror's response to the Section K certification titled Cost Accounting Standards Notices and Certification (National Defense).

(c) State of New Mexico. Section I of this solicitation may contain the clause at FAR 52.229-10, STATE OF NEW MEXICO GROSS RECEIPTS AND COMPENSATING TAX. The resultant contract will contain this clause only if performance is in whole or in part within the State of New Mexico and the contract directs or authorizes the contractor to acquire property as a direct cost under the contract.

(d) Educational institutions and nonprofit organizations. If a cost-reimbursement type contract is contemplated and the offeror is an educational institution, paragraph (a) of the clause at FAR 52.216-7, Allowable Cost and Payment shall be altered in the resultant contract to refer to FAR Subpart 31.3 for determining allowable costs. Similarly, if the offeror is a nonprofit organization (other than an educational institution, a State or local government, or a nonprofit organization exempted under OMB Circular No. A-122), paragraph (a) of the clause at FAR 52.216-7 shall be altered to refer to FAR Subpart 31.7. In addition, if the offeror is an educational institution, DFARS 252.209-7005, MILITARY RECRUITING ON CAMPUS, will be added to Section I of the resultant contract.

(e) Subcontracting Plan. If the offeror has a comprehensive subcontracting plan under the test program described in 219.702(a), DFARS 252.219-7004, SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS SUBCONTRACTING PLAN (TEST PROGRAM) and AFMCFARS 5352.219-9002, SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS SUBCONTRACTING PLAN (TEST PROGRAM) (AFMC) will be used in Section I in lieu of FAR 52.219-9, FAR 52.219-10, FAR 52.219-16, DFARS 252.219-7003, and AFMCFARS 5352.219-9000.

L021 SMALL BUSINESS AND SMALL DISADVANTAGED BUSINESS (FEB 1997) (TAILORED)

FAR 52.219-9 AND DFARS 252.219-7003 and 252.219-7005 are included in this solicitation and will be incorporated into any resultant contract. In accordance with FAR 19.702, a subcontracting plan is required from all offerors other than small business concerns for proposals exceeding \$500,000 which contain subcontracting opportunities. The plan shall be submitted with the initial proposal and will be concurrently negotiated. If a cost proposal is required by this solicitation, it must relate to, and substantiate, the submissions under FAR 52.219-9(d). Also substantiate the reasonableness of any additional costs to be expended in pursuit of the small disadvantaged business goal. The offeror's submission must provide sufficient information to support the contracting officer's review of the subcontracting plan to determine: (a) if it is acceptable (otherwise an offeror will be ineligible to

receive the contract award); and (b) if at the time of contract completion any small disadvantaged business subcontracting incentive or award fee has been earned. Contractors who have been selected for participation in the DoD test program authorized by Section 834 of Public Law 101-189 and who have approved comprehensive subcontracting plans are not required to negotiate subcontracting plans on an individual contract basis. If the offeror has an approved comprehensive subcontracting plan under the DoD test program, the offeror shall provide a copy of its approved comprehensive subcontracting plan in lieu of the individual plan required herein. Any contract resulting from this solicitation which includes a comprehensive subcontracting plan will include the clause at 252.219-7004, Small Business and Small Disadvantaged Business Subcontracting Plan (Test Program), in lieu of the clauses at FAR 52.219-9, and DFARS 252.219-7003 and 252.219-7005.

L023 COST/SCHEDULE STATUS REPORT SUMMARY (FEB 1997)

The Offeror shall submit a written summary (or Memorandum of Understanding if applicable) in accordance with Section I clause DFARS 252.242-7005, "Cost/Schedule Status Report."

L024 PRELIMINARY CONTRACT WORK BREAKDOWN STRUCTURE (FEB 1997)

a. The offeror will submit a dictionary of Contract Work Breakdown Structure (CWBS) element definitions and general description and illustration of how it intends to subdivide the preliminary CWBS for planning and control of contract tasks.

b. Upon award of a contract, the contractor may extend the preliminary Contract Work Breakdown Structure (CWBS) contained in this solicitation in as much detail as necessary to identify and structure the work effort to successfully achieve the end objective(s) of the contract work scope. The CWBS will serve as a framework for contract planning, budgeting, and reporting status of costs and schedule to the Government. The offeror shall develop the detailed levels of the CWBS in a manner which will assure compatibility with internal organizations and management systems and which will identify the major elements of work to be subcontracted.

c. Any changes that the offeror wishes to make to the preliminary CWBS included in this solicitation shall be identified appropriately, and the proposed revision will be evaluated prior to contract award. The offeror shall provide information and assistance as requested, if needed, for evaluation of any proposed revision to the preliminary CWBS. Any changes thereafter proposed by the contractor to the specified reporting-level elements of the approved CWBS will require written approval of the Contracting Officer.

L029 DETERMINATION OF COMPETITIVE RANGE (FEB 1997)

a. Pursuant to FAR 15.306, the Contracting Officer's determination of competitive range of proposals submitted as a result of this solicitation will consider such criteria as technical evaluation/ranking of the proposal, initial cost/ price proposed, and other items set forth in Section M of this solicitation. See the Section M paragraph entitled "Evaluation Criteria," for a definitive listing of these criteria and their relative importance.

b. Offerors are hereby advised that only those proposals determined to have a reasonable chance for award of a contract will be included in the competitive range. While every effort will be made to maintain strong competition, the Contracting Officer will also look to eliminate time consuming and unnecessary discussions with those offerors whose proposals have no reasonable chance for award. This procedure is considered beneficial to both the Air Force and the offerors involved since, in addition to saving further expenditure of resources, acquisition lead time should be reduced.

c. Accordingly, offerors should submit initial proposals on their most favorable terms, from both a technical and cost/price standpoint. Again, it should be noted that proposals will not be included in the competitive range solely on the basis of technical acceptability, nor will they be included due to cost/price considerations alone.

d. Offerors whose proposals are not included in the competitive range will be notified as soon as practicable. Additional information relative to such proposals will be provided through debriefing of unsuccessful offerors.

L045 ACCESS TO AIR FORCE COMPUTER SYSTEMS (MAR 1999)

If performance under this contract will require access to Air Force computer systems (stand alone or networked), compliance with Air Force Instruction (AFI) 33-119 and Air Force Systems Security Instruction (AFSSI) 5027 is mandatory. It should be noted that such access requires, at a minimum, a National Agency Check or Entrance National Agency Check in accordance with DoD 5200.2-R, Personal Security Program. Offerors should make themselves familiar with local procedures for processing such requirements, and be prepared to be in compliance on the first day of contract performance. Failure to comply with this requirement may be considered a failure to perform.

L055 INFORMATION TO OFFERORS AND INSTRUCTIONS FOR PROPOSAL PREPARATION (IFPP) (JUL 2003)

1.0 Program Structure and Objectives

This section provides general guidance for preparing proposals as well as specific instructions on the format and content of the proposal. Non-conformance with the specified organization, content, and limitation may result in an unfavorable proposal evaluation. All claimed technical, management, performance and schedule capabilities to meet the requirements shall be realistic and are subject to verification by the Government.

1.1 Budget/Funding Information

For consideration in developing your proposal, the funding available for all awarded Airborne JTRS Pre-SDD contracts, to include a 10% maximum Award Fee, is shown in the following table. See Section B, Clause B038 for further breakout of the Award Fee by evaluation periods. There is no assurance that the Government will have these funds available as expressed in the table. The Government reserves the right to modify the funding profile as actual budget authority is received.

Funding Type		
RDT&E (\$M)	3600 Funds (includes 10% maximum Award Fee)	\$40M

2.0 General Instructions

- (a) The offeror's proposal must include all data and information requested by the IFPP and must be submitted in accordance with these instructions. The offer shall be compliant with the requirements as stated in the Statement of Objectives (SOO), JTRS Operational Requirements Document (ORD), Contract Data Requirements List (CDRL), and Model Contract.
- (b) The proposal shall be unclassified to the greatest extent possible. The offeror's proposal shall consist of a written submittal. All information provided by the offeror (as long as it is consistent with the constraints of this Request for Proposal (RFP), e.g., page limitations, appropriate volume) is subject to evaluation as described in Section M.
- (c) The proposal shall be clear, concise, and shall include sufficient detail for effective evaluation and for substantiating the validity of stated claims. The proposal should not simply rephrase or restate the Government's requirements, but rather shall provide convincing rationale to address how the offeror intends to meet these requirements. Offerors shall assume that the Government has no prior knowledge of their facilities and experience, and will base its evaluation on the information presented in the offeror's proposal.
- (d) Elaborate brochures or documentation, binding, detailed artwork, or other embellishments are unnecessary and are not desired.
- (e) As specified in Section A of the Model Contract, the proposal shall be valid for a period of not less than 120 calendar days from the required submission date. The offeror shall include a clear statement in Section A of the contract documentation volume that the proposal is valid until this date.
- (f) Table 1 shows submittal dates for the formal proposal volumes. The formal proposal will be submitted in its entirety. The completion and submission of Volumes I thru V constitute the offeror's acceptance to the terms and conditions in this RFP and in any attachments thereto. Since the Government reserves the right to award a contract without discussions, as provided by FAR 52.215-1 (Instructions to Offerors - Competitive Acquisitions), offerors are

cautioned to consult with the Procuring Contracting Officer (PCO) before submitting an offer that takes exception to any term or condition of the RFP.

Table 1. Volume Due Dates

VOLUME	VOLUME TITLE	CALENDAR DAYS AFTER FORMAL RFP RELEASE
I	Executive Summary	30
II	Mission Capability/Proposal Risk and System Engineering	30
IIA	Integrated Master Plan (IMP)/ Integrated Master Schedule (IMS) (Attach to Volume II)	30
III	Cost/Price	30
IV	Contract Documentation	30
V	Relevant Past and Present Performance	15

(g) In accordance with FAR Subpart 4.8 (Government Contract Files), the Government will retain one copy of all unsuccessful proposals. Unless the offeror requests otherwise, the Government will destroy extra copies of such unsuccessful proposals.

(h) The Government may consider any offeror's exception to the terms and conditions in this RFP to be a deficiency, which may render the offer unacceptable.

(i) The ground rules and assumptions (e.g., contract type, contract items, delivery schedule, etc.) of the prospective contract are provided in the appropriate sections of the solicitation.

2.1 General Information

2.1.1. Points of Contact

The PCO, Mr. Richard Fox and the Contract Specialist, Ms. Ann Marie Bastek, are the sole points of contact for this acquisition. Address any questions or concerns you may have to the PCO and the Contract Specialist. Written requests for clarification may be sent via email to the PCO at richard.fox@hanscom.af.mil and the Contract Specialist at ann.bastek@hanscom.af.mil. The PCO can be contacted telephonically at (781) 377-6395, or by fax at (781) 377-2657, the Contract Specialist can be contacted telephonically at (781) 377-7512, or by fax at (781) 377-2657.

2.1.2. Debriefings

The PCO will promptly notify offerors of any decision to exclude them from the competitive range, whereupon they may request and receive a debriefing in accordance with FAR 15.505. The PCO will notify unsuccessful offerors in the competitive range of the source selection decision in accordance with FAR 15.506. Upon such notification, unsuccessful offerors may request and receive a debriefing. Offerors desiring debriefing must make their request in accordance with the requirements of FAR 15.505 or 15.506, as applicable.

2.1.3. Discrepancies

If an offeror believes that the requirements in these instructions contain an error, omission, or are otherwise unsound, the offeror shall immediately notify the PCO in writing with supporting rationale. The offeror is reminded that the Government reserves the right to award this effort based on the initial proposal, as received, without discussion.

2.1.4. Bidder's Library and Livelink Access

A bidder's library has been established at Hanscom Air Force Base, MA. Additionally, a JTRS Pre-SDD RFP Library has been established on the Government's Livelink website. The points of contact (POCs) for the Bidder's Library and Livelink access are: Lt. Jason Webb (Primary) jason.webb@hanscom.af.mil <mailto:jason.webb@hanscom.af.mil> or Lt. Luke Barfield (Alternate) benjamin.barfield@hanscom.af.mil <mailto:benjamin.barfield@hanscom.af.mil>. The Pre-SDD effort requires access to classified information; therefore, the offeror shall provide a completed DD Form 254. Upon verification of the DD Form 254, the Government will contact the offeror to set up an appointment for offeror's review at Hanscom AFB, MA. The Pre-SDD effort requires access to certain waveform specifications and other documentation with Government Purpose Rights. The offeror will be required to sign non-disclosure agreements before any Government Purpose Rights

data/information is released to an offeror, per DFARS 227.7013-7 and 252.227-7013(b)(2)(iii)(A). Documents in the Bidder's library may also be available electronically on the Hanscom Electronic RFP Bulletin Board (HERBB) at <http://www.herbb.hanscom.af.mil> or on the Government's Livelink website. To utilize Livelink, the offeror will require an Internet browser (MS Internet Explorer 5.0 (or later) or Netscape Navigator/Communicator 5.0 (or later)). The offeror will be provided a software license, an account, and instructions on use of the Livelink website.

2.2 Organization/Number of Copies/Page Limits

The offeror shall prepare the proposal as set forth in Table 2 below. The titles of the volumes shall be as defined in this table, all of which shall be within the required page limits and with the number of copies as specified in Table 2. The volumes should be bound in three-ring loose-leaf binders, with Volume III being in a separate binder. The Offeror shall submit six (6) paper copies and three (3) copies in electronic format (PC compatible CD-ROM with data in Microsoft Word 2000 (.doc files), Microsoft Project 98 (.mpp files), Microsoft Excel 2000 (.xls files), Microsoft PowerPoint 2000 (.ppt files)) of the complete proposal. Hyperlinks to documents external to the proposal are not permitted.

Table 2 - Proposal Organization
(see paragraph 2.6 for distribution of copies)

VOLUME	VOLUME TITLE	ELECTRONIC COPIES	PAPER COPIES	PAGE LIMIT
I	Executive Summary	3	6	5
II	Mission Capability/Proposal Risk and System Engineering	3	6	50
IIA	(Attach to Volume II)			
	Integrated Master Plan (IMP)	3	6	As Required
	Integrated Master Schedule (IMS)	3	6	As Required
III	Cost/Price	3	6	As Required
IV	Contract Documentation	3	6	As Required
V	Relevant Past and Present Performance	3	6	20
				See also Paras. 8.1 and 8.3.

2.2.1 Page Limitations

Page limitations shall be treated as maximums. If exceeded, the excess pages will not be read or considered in the evaluation of the proposal and will be returned to the offeror as soon as practicable. Page limitations shall be placed on responses to Evaluation Notices (ENs). The specified page limits for EN responses will be identified in the letters forwarding the ENs to the offerors. When both sides of a sheet display printed material, it shall be counted as two (2) pages. Each page shall be counted except the following: cover pages, tables of contents, tabs, project schedule, and glossaries.

2.2.2 Cost or Pricing Information

All cost or pricing information shall be addressed ONLY in the Cost/Price Proposal and Contract Documentation Volumes. Cost trade-off information, work-hour estimates and material kinds and quantities may be used in other volumes only as appropriate for presenting rationale for alternatives or design and trade-off decisions.

2.2.3 Classified Information

Where classified information is required in your response, it shall be provided as a classified supplement and bound in a single classified addendum to Volume II (Mission Capability). Each entry in the classified addendum shall be referenced to the proposal volume, page number, and paragraph number to which it applies. Similarly, a reference shall be placed in the unclassified volume where the classified insert applies, giving the page and paragraph numbers within the addendum where it can be found. Binding shall conform to the same directions as those given in this IFPP for unclassified portions. The classified addendum shall be separately bound with an applicable security designation color cover, conforming to the DD Form 254, and the Security Classification Guide provided in this solicitation. Pages in classified addenda will be included in the page count for the applicable volume.

2.2.4 Cross Referencing

To the greatest extent possible, each volume shall be written on a stand-alone basis so that its contents may be evaluated with a minimum of cross-referencing to other volumes of the proposal. Information required for proposal evaluation that is not found in its designated volume will be assumed to have been omitted from the proposal. Cross-referencing within a proposal volume is permitted where its use would conserve space without impairing clarity. For example, to prevent redundancy, relevant sections of the Integrated Master Plan (IMP) can be referenced in Volume 2 in response to the requirements of the Mission Capability/Proposal Risk and System Engineering factor.

2.2.5 Indexing

Each volume shall contain a more detailed table of contents to delineate the subparagraphs within that volume. Tab indexing shall be used to identify sections.

2.2.6 Glossary of Abbreviations and Acronyms

Each volume shall contain a glossary of all abbreviations and acronyms used, with an explanation for each. Glossaries do not count against the page limitations for their respective volumes.

2.3. Page Size and Format

(a) Page size shall be 8.5 by 11 inches, not including foldouts. Pages shall be single-spaced (select one: single spaced/double spaced/typed with 1.5 line spacing). Except for the reproduced sections of the solicitation document, the font size shall be no less than ten (10) point. Tracking, kerning, and leading values shall not be changed from the default values of the word processing or page layout software. Use at least 1-inch margins on the top and bottom and 3/4 inch side margins. Pages shall be numbered sequentially by volume. These page format restrictions shall also apply to responses to Evaluation Notices (ENs). These limitations shall apply to both electronic and hard copy proposals.

(b) Legible tables, charts, graphs and figures shall be used wherever practical to depict organizations, systems and layout, implementation schedules, plans, etc. These displays shall be uncomplicated, legible and shall not exceed 11 by 17 inches in size. Foldout pages shall fold entirely within the volume, and shall be counted as two (2) pages. Foldout pages may only be used for large tables, charts, graphs, diagrams and schematics; not for pages of text. For tables, charts, graphs and figures, the text shall be no smaller than eight (8) point.

2.4 Binding and Labeling

The volumes of the proposal should be bound in three-ring loose-leaf binders, with Volume III being in a separate binder. The binder shall permit the volume to lie flat when open. Staples shall not be used. A cover sheet should be bound in each book, clearly marked as to volume number, title, copy number, solicitation identification and the offeror's name. The same identifying data should be placed on the spine of each binder. All unclassified document binders shall have a color other than red or other applicable security designation colors. Be sure to apply all appropriate markings including those prescribed in accordance with FAR 52.215-1(e), Restriction on Disclosure and Use of Data, and 3.104-5, Disclosure, Protection, and Marking of Contractor Bid or Proposal Information and Source Selection Information.

2.5 Electronic Offers

For electronic copies, indicate on each CD ROM the volume number and title. Use separate files to permit rapid location of all portions, including exhibits, annexes, and attachments, if any. The offeror shall submit Volumes I thru V in electronic format, using IBM-compatible, virus-free CD ROMs. Volumes I, II and IIA, may be combined on one CD, while Volumes III, IV and V must each be on a separate CD. For each submission, CDs shall be placed in either plastic sleeves in one separate binder or in CD cases placed in a box. If files are compressed, the necessary decompression program must be included. The electronic copies of the proposal shall be submitted in a format readable by Microsoft (MS) Word 2000, MS Excel 2000, MS-Project 98, and MS-Power Point 2000, as applicable.

2.6 Distribution

The "original" proposal shall be identified. Proposal volumes shall be marked "Airborne JTRS Cluster 4 Program Pre-SDD, ATTN: Mr. Richard Fox" and mailed to ESC/AE, 9 Eglin St. Room 300, Hanscom AFB, MA 01731-2120. All proposal material must be in the possession of the PCO not later than 3:00 p.m. EST on the required

submission date. If this day falls on a weekend or Government holiday, delivery shall occur on the first business day thereafter.

The offeror shall also deliver, by the date and time specified, one (1) complete paper copy and one (1) CD ROM set of their proposal to the National Security Agency (NSA). The NSA copy shall be marked "Airborne JTRS Cluster 4 Program Pre-SDD, M/F Ms. Sharon Stencil, Program Manager," and mailed to: Booz Allen Hamilton, Attn: Mr. J. Stevenson or Mr. S. Tuss, 900 Elkridge Landing Road, Suite 100, Linthicum, MD 21090.

The offeror must also deliver, by the date and time specified, one (1) complete paper copy and one (1) CD ROM set of its proposal to the cognizant Defense Contract Management Agency/Defense Contract Audit Agency (DCMA/DCAA) offices. Be sure to advise the Administrative Contracting Officer (ACO) and the Defense Contract Audit Agency (DCAA) for prime and subcontractors that the proposal is "For Official Use Only" and "Source Selection Information--See FAR 3.104".

3.0 Volume I - Executive Summary

The Executive Summary shall provide a synopsis of the offeror's proposed approach to perform the Airborne JTRS Pre-System Development and Demonstration (Pre-SDD) contract. Offerors shall use this volume to familiarize the Government with any aspects of the proposal that are considered key elements and unique features of their approach. Any summary material presented here shall not be considered as meeting the requirements of any portions of other volumes of the proposal.

A letter of transmittal, not to exceed two pages, shall be included within your proposal submission. This letter will not be counted against the page limitations of Volume I. Volume I shall include the information shown below.

3.1 Narrative Summary

The offeror shall provide a concise narrative summary of the entire proposal, including significant risks, and a highlight of any key or unique features, excluding cost/price. The salient features should tie in with Section M evaluation factors/subfactors. Any summary material presented here shall not be considered as meeting the requirements for any portions of other volumes of the proposal.

The offeror shall identify how the Airborne JTRS Pre-SDD effort fits into their established business plans, objectives and capabilities in a manner that would ensure corporate support and commitment throughout the contract period of performance. Included in this discussion, there shall be a presentation of the corporate financial position and structure, including the source of employees for this contract.

The offeror shall provide an overview of the proposed technical and managerial approaches to the Airborne JTRS Pre-SDD contract. The offeror shall discuss the composition of their proposed Airborne JTRS Pre-SDD Team, to include all major subcontractors and vendors. The offerors shall summarize their management approach to ensure the subcontractor's efforts coincide with the overall program objectives and meet the Government's operational requirements for system integrity. The offeror shall provide the organizational charts depicting their Airborne JTRS Pre-SDD Program Management Team (with subcontractors) and their Airborne JTRS Pre-SDD Program Manager's relationship within the corporate structure.

3.2 Master Table of Contents

The offeror shall provide a master table of contents of the entire proposal. The master table of contents is excluded from the page limit.

3.3 Cross-Reference Matrix

The offeror shall fill out the cross-reference matrix below. The cross-reference matrix is excluded from the page limit. If this matrix conflicts with any other requirement, direction or provision of this solicitation, the other reference shall take precedence over this matrix. Section M references in the matrix are for information purposes only. The Government shall evaluate proposals solely in conformance with the provisions of Section M of the solicitation.

RFP CROSS-REFERENCE MATRIX

Section L Paragraph	Section M Paragraph	SOO Paragraph	Proposal Volume	Proposal Paragraph	Proposal Page
4.2.1.1	2.2.1	4.1; 4.2			
4.2.1.2	2.2.2	4.2			
4.2.1.3	2.2.3	4.2, 4.3, 4.4, 5.0, 6.0			
4.2.1.4	2.2.4	4.3			
4.2.1.5	2.2.5	6.0			
4.2.1.6	2.2.6	4.2			
4.2.2	2.3	4.1; 4.2; 4.3; 4.4			
5.0	2.2, 2.3	6.0			

4.0 Volume II - Mission Capability/Proposal Risk and System Engineering Volume

4.1 General Instructions

The Mission Capability/Proposal Risk and Systems Engineering Volume should be specific and complete. Legibility, clarity and coherence are very important. Each offeror's response will be evaluated against Mission Capability/Proposal Risk, and System Engineering factors as defined in Section M, Evaluation Factors for Award. Using the instructions provided below, the offeror shall provide as specifically as possible the actual methodology they would use for accomplishing/satisfying these factors and subfactors. All the requirements specified in the solicitation are mandatory. By submitting a proposal, an offeror is representing that their firm will perform all the requirements specified in the solicitation. It is not necessary or desirable for an offeror to state this in their proposal. Do not merely reiterate the objectives or reformulate the requirements specified in the solicitation.

4.2 Format and Specific Content

The Government will use the Mission Capability/Proposal Risk, and System Engineering factors to evaluate the offeror's Volume II. In this volume, the offeror shall address their proposed approach to meeting the requirements of each Mission Capability/Proposal Risk subfactor and of the System Engineering factor.

4.2.1 FACTOR 1 - Mission Capability/Proposal Risk

Mission Capability/Proposal Risk will be addressed in Volume II. In this volume, the offeror shall provide their proposed approach to meeting the requirements of each Mission Capability subfactor, as well as the risks in their proposed approach in terms of mission capability, performance, cost, and/or schedule.

The offeror shall address Proposal Risk by identifying those aspects of the proposal the offeror considers to involve cost and/or mission capability subfactor risk and classify each in accordance with AFFARS 5315.305(a)(3)(iii). The offeror shall provide the rationale for each risk and its rating, including quantitative estimates of the impact on cost, schedule, and performance. The offeror shall describe the impact of each identified risk in terms of its potential to interfere with or prevent the successful accomplishment of other contract requirements, whether or not those requirements are identified as subfactors or elements. Furthermore, the offeror shall suggest a realistic "work-around" or risk mitigation for identified risks that will eliminate or reduce risk to an acceptable level. Identify and classify any new risks introduced by such risk mitigation.

4.2.1.1 Specific Content - Subfactor 1: Access/Knowledge of Platform Requirements/ Interfaces

The offeror shall delineate their access to platform interface documentation (e.g. ICDs) by platform type (see Table 1 of the SOO). The offeror shall describe their approach to identifying platform interface requirements and the ability to meet ORD requirements in developing Airborne JTRS. The offeror shall provide their approach for determining which platform factors impact Airborne JTRS design (e.g., form/fit, weight, power, cooling). The offeror's approach shall include the ARC-210 form factor as a minimum.

The offeror shall describe their approach to identifying all system performance requirements and any conflicts or inability to meet ORD requirements. The offeror should also describe the methodology and criteria for allocating functional requirements between the radio and the platform/platform network.

The offeror shall describe their approach for gathering data across the breadth of platforms and describe their approach for defining which platform factors will impact the fielding of blocks of capability. The offeror shall

describe their proposed approach to estimating initial capability cost (i.e., a key subset of Total Ownership Cost where the focus is on minimizing initial cost of providing an operational capability, including as a minimum: A-kit, B-kit, platform integration, and one (1) year of recurring sustainment cost).

The offeror shall identify any risks associated with the requirements and discuss any impacts that they may have.

4.2.1.2 Specific Content - Subfactor 2: Concept for Airborne JTRS Form Factors

The offeror shall describe their approach for developing a SCA compliant Airborne JTRS that addresses the range of platform interfaces/requirements imposed by the platform set identified in Table 1 of the SOO. The offeror shall describe how their approach seeks to maximize commonality across platforms, while minimizing the number of discrete form factors (or variants) and initial capability cost.

The offeror shall describe their approach for addressing platform interface requirements and legacy radio form factors, including an ARC-210 form factor, in a modular design for Airborne JTRS that minimizes the total number of form factors across all platforms.

The offeror shall describe their plan for evaluating the cost, schedule and risk impacts of increasing or decreasing the number of form factors for the Airborne JTRS.

The offeror shall describe their concepts for any phased development of different form factors that results in fielding some variants earlier than others. The offeror shall clearly discuss how any development risks associated with schedule acceleration through phased implementation of different form factors would be addressed and managed under their proposed approach.

4.2.1.3 Specific Content - Subfactor 3: Approach/Technology to Achieve Scalable, Modular Design

The offeror shall describe their approach to defining the architecture and preliminary design for a SCA-compliant Airborne JTRS that: 1) is modular, reconfigurable, scalable and upgradeable through a layered architecture; 2) accommodates the platform interface requirements affecting Airborne JTRS integration; 3) addresses module commonality across new form factors and proposed legacy radio form factors, including an ARC-210 form factor as a minimum; 4) addresses different instantiations of antenna functionality and other external RF subsystems; 5) incorporates concepts for partitioning radio functions, provides an open interface between modules, and arrives at a best value solution that minimizes initial capability cost; 6) incorporates open, standard interface(s) that shall allow multiple airborne JTR Sets installed on a single aircraft to operate as a single entity for data exchange and system control; 7) minimizes the number of discrete form factors (or variants) and initial capability cost; and 8) supports Internet Protocol Version 6 (IPv6) and is backward compatible with Internet Protocol Version 4 (IPv4). The offeror shall describe their approach to the collaborative effort between both Pre-SDD contractors on a common interface design that allows an airborne JTR set to interface with JTR sets from other clusters and MIDS JTRS.

The offeror's approach shall address how a time-phased implementation of JTRS ORD requirements, growth and technology insertion would be accommodated with minimal cost and design (hardware, software and interfaces) impacts to the system. If the offeror's approach includes gaining efficiencies from reuse of existing Software Defined Radio designs and related technologies (software, middleware, hardware, or interfaces), the offeror must describe how such reuse will benefit the Cluster 4 program. The offeror shall identify all design and integration risk issues.

The offeror shall describe their approach to evaluating the cost, schedule and risk impacts of including the following in the Airborne JTRS Cluster 4 modular design: Tactical Targeting Network Technology (TTNT) waveform; navigational and air traffic control safety of flight waveforms - specifically precision approach (JPALS), navigation (TACAN), combat ID (IFF), and commercial air traffic control waveforms. The offeror shall describe their approach to evaluating the four Cross-Cluster Commonality Study topics listed in the Statement of Objectives.

The offeror shall describe their approach for evaluating the implications of expanding the Airborne JTRS design for operations in the 2MHz to 55GHz frequency range, and at the higher data rates/throughput required by some waveforms (e.g., for MP-CDL or FAB-T).

The offeror shall describe how the design approach includes provisions necessary to enable all required certifications in the SDD phase, including Federal Aviation Administration (FAA) certification, National Security Agency (NSA) and Defense Information Technology Security Certification and Accreditation, interoperability certification, frequency authorization, and certification of SCA compliance by the JTRS Technical Laboratory (JTel). The offeror shall show how its design will incorporate the requirements of the Telecommunications Security Requirements Document (TSRD) for the JTRS Cluster 4 Program, which describes the entire program to achieve NSA approval of the Airborne JTRS and identifies the detailed tasking required to lay the certification groundwork during Pre-SDD.

The offeror shall describe their approach to executing a successful System Requirements Review (SRR), System Design Review (SDR), and Preliminary Design Review (PDR) to include a System PDR, Software PDR, and a Hardware PDR. The offeror shall include a determination, and associated justification, on whether the PDRs will be executed individually or in combination. A successful PDR will achieve, as a minimum, the objectives identified below.

- 1 All JTRS Airborne system requirements have been decomposed and allocated appropriately to software, firmware and hardware, and traceability has been maintained.
- 2 Allocation issues at module level have been resolved.
- 3 Required relationships (physical, functional and data), interactions and interfaces among functions, modules and configuration items, and platform networks, equipment and software have been satisfactorily defined.
- 4 The functionality associated with incremental builds has been satisfactorily defined and documented to the expected maturity level.
- 5 The technical adequacy of the test approach has been demonstrated.
- 6 System scalability, growth, and throughput considerations have been addressed, including estimators of size and speed for all software and firmware, whether contained in ASICs, FPGAs, DSPs, CPUs, etc., showing how spare percentage is met.

4.2.1.4 Specific Content - Subfactor 4: Approach to Architect and Specify a Standards-Based Airborne Network

The offeror shall describe the proposed approach for defining the Airborne Network architecture that is an extension of the Global Information Grid and the platform network capabilities that will accommodate other co-located network capable transport. The offeror shall describe the features and limitations of the proposed approach and their plan for addressing identified limitations, including the use of any spiral developments.

The offeror shall describe their plan for ensuring that their open standards/architectures are available for collaborative execution across Air Force programs/platforms. Referring to the AF C2 Enterprise Technical Reference Architecture (C2ERA) V3.0 and the DoD policy on Internet Protocol Version 6 (IPv6), the offeror shall describe how their proposed architecture approach incorporates the C2ERA architecture precepts and design patterns as well as IPv6. The offeror's approach should clearly address the physical and logical separation of the layer 2 and layer 3 functionality of the Open Systems Interconnection (OSI) model. The proposed approach will address implementation of a method for handling multiple security classification levels up to Top Secret/Secret Compartmentalized Information (TS/SCI).

The offeror shall describe their approach for the use of commercial standards and protocols to satisfy platform network requirements, as well as enhancements to emerging commercial mobile network standards to meet the Government's needs. The offeror should describe the approach for identifying the platform interface requirements affecting the deployment of the network(s) on the aircraft.

The offeror shall also include the proposed approach for a modular design of Airborne JTRS radios that allocates network functions between the platform and the radio, provides an open interface between modules, and arrives at a best value solution that minimizes initial capability cost to the Government. The offeror shall discuss the proposed approach for addressing gateway/message format translation either in the Airborne JTRS or as an application layer function.

4.2.1.5 Specific Content- Subfactor 5: Management Processes and Schedule

The offeror shall address their proposed approach to Program Management (PM) and its relationship to meeting the Pre-SDD requirements, as well as the risks in their proposed approach in terms of mission capability/performance, cost, and/or schedule. The offeror shall present their approach to applying robust PM principles and practices throughout the Pre-SDD program.

The offeror shall show how the proposed PM processes and practices provide for efficient management and control over program resources, and the tracking/reporting metrics that will be used to effectively manage progress and provide for Government insight. The offeror shall also show how the proposed PM processes and practices provide, on an ongoing basis, identification and analysis of any Cost As an Independent Variable (CAIV) tradeoffs for schedule, performance, and risk.

4.2.1.6 Specific Content - Subfactor 6: Risk Management Process

The offeror shall describe their overall approach to identifying, evaluating and documenting those risks that would significantly impact the JTRS development, demonstration, and fielding program. The offeror's approach should describe their risk management planning and processes, risk management toolset(s), and anticipated risk mitigation activities during Pre-SDD. The offeror shall include a list of identified risks and mitigation strategies for the Airborne JTRS SDD Program - development, demonstration, and fielding.

4.2.2 FACTOR 2 - System Engineering

System Engineering (SE) will be addressed in Volume II. The offeror shall address their proposed approach to System Engineering, and its relationship to meeting the requirements of the Mission Capability subfactors, as well as the risks in their proposed approach in terms of mission capability/performance, cost, and/or schedule.

The offeror will address Proposal Risk by identifying those aspects of the proposal the offeror consider to involve cost and/or system engineering factor risk. Each risk shall be classified in accordance with AFFARS 5315.305(a)(3)(iii)(B). The offeror shall provide the rationale for each risk and its rating, including quantitative estimates of the impact on cost, schedule, and performance. The offeror shall describe the impact of each identified risk in terms of its potential to interfere with or prevent the successful accomplishment of other contract requirements. The offeror shall suggest a realistic "work-around" or risk mitigation for identified risks that will eliminate or reduce risk to an acceptable level. The offeror shall identify and classify any new risks introduced by such risk mitigation.

The offeror shall describe the processes to be used for System Engineering (including all aspects of Software Engineering) as implemented for Pre-SDD. The offeror shall include process information for each team member involved in software and systems development or integration. The offeror shall provide information on how these processes will be integrated with their own and other team member processes including methodology for assessing the combined process maturity/capability and required improvements.

The offeror shall provide the results of any assessments, appraisals, or similar evaluations conducted within the previous two years for the specific site or division including strengths or weaknesses identified, as well as opportunities for process improvement. The offeror shall provide information regarding any tailoring of program management and systems engineering processes for specific application to the JTRS Cluster 4 program.

In the event that an assessment, appraisal, or evaluation has not been conducted in the last two years, the process methodology is not based on a model with validated assessment, appraisal, or evaluation methods and criteria, or a maturity/capability level of less than that comparable with Software Engineering Institute (SEI) Capability Maturity Model (CMM) Level 3 using the Class A Appraisal Requirements for CMMI (ARC) is not achieved, the offeror shall provide a plan addressing how the required level of process discipline and maturity will be achieved for the pre-SDD program, and a plan to bring the offeror's System Engineering and program management process capabilities to the required levels. (The Class A ARC can be found at <http://www.sei.cmu.edu/publications/documents/01.reports/01tr34.html>)

4.2.3 Volume Organization

Volume II shall be organized according to the following general outline:

Table of Contents

List of Tables, Figures and Drawings

Glossary

Factor One - Mission Capability/Proposal Risk

Subfactor One: Access/Knowledge of Platform Requirements/Interfaces

Subfactor Two: Concept for Airborne JTRS Form Factors

Subfactor Three: Approach/Technology to Achieve Scalable, Modular Design

Subfactor Four: Approach to Architect and Specify a Standards-Based Airborne Network

Subfactor Five: Management Processes and Schedule

Subfactor Six: Risk Management Process

Factor Two - System Engineering

5.0 Volume IIA - Integrated Master Plan (IMP)/Integrated Master Schedule (IMS)

5.1 General Instructions

The offeror shall address their integrated processes in Volume IIA. The offeror shall provide an Integrated Master Plan (IMP) and Integrated Master Schedule (IMS). The details of the offeror's integrated processes should be addressed in the IMP and IMS.

(a) The purpose of the IMP is to demonstrate that the program is structured to minimize and control risk, to accomplish up-front summary planning and commitment, to provide a basis for subsequent detailed planning, to instill a balanced design discipline, to measure progress of program life-cycle requirements, and to provide management with in-process verification of requirements in order to make informed milestone decisions.

(b) The purpose of the IMS is to show the detailed task and timing of the work effort in the IMP and is used as the primary tracking tool for technical and schedule status. The IMS is an integrated and networked multi-layered schedule of program/project tasks. The IMS identifies all IMP events, accomplishment, and criteria and the expected dates of each. The IMS tasks shall be directly traceable to the Work Breakdown Structure (WBS), IMP, SOW, CDRLs, and CLINs

(c) The IMP and IMS should be written to align with the Integrated Product Development philosophy wherein the IMP and IMS include all necessary activities performed by all functional disciplines to produce the product. The Government will use the IMP and IMS to evaluate the credibility and realism of the offeror's approach to executing the Pre-SDD effort within cost and schedule constraints.

5.1.1 Integrated Master Plan (IMP)

The IMP shall capture the activities and processes necessary to implement the Airborne JTRS Pre-SDD effort, including all tasks identified in this RFP and the tasks described in the offeror's proposal. The IMP shall be a single plan that includes all required tasking statements for the Pre-SDD effort, to include a description of major subcontractor and teaming partner activities. The IMP shall be written as an event-based plan containing significant accomplishments and accomplishment criteria needed to successfully complete each major program milestone. IMP milestones shall be event-oriented and represent integrated product development (encompassing all functional disciplines) of the Contractor Work Breakdown Structure (CWBS) elements.

There shall be an IMP section or subsection for each of the elements in the offeror's proposed CWBS, as linked to the SOW. Each section and subsection of the IMP shall contain the following elements:

- Events
- Accomplishments for each event
- Criteria for each accomplishment
- Narratives (if required to further the understanding of the IMP)

The following paragraphs provide a description of the primary IMP elements:

(a) Event: An IMP event represents a logical point at which to assess the program's progress. The offeror shall identify events that best reflect their proposed program approach. The offeror shall include definitions of each event at the beginning of the IMP. IMP events shall be properly sequenced and may include demonstration

milestones, technical or program reviews, and other key decision points. For each IMP event, there shall be one or more entry or exit significant accomplishments. Completion of all of the accomplishments constitutes completion of the event.

(b) Accomplishment: Accomplishments are defined as desired results prior to or at completion of an event which indicate a level of the program's progress. The accomplishments shall be sequenced in a manner that ensures a logical path is maintained throughout the effort and tracks against key events. For each accomplishment, there should be one or more criteria. Completion of all of these criteria constitutes completion of the accomplishment. Examples of accomplishments are "Delivery 1 application modules complete," "COTS and applications software integrated," or "ARC-210 form factor analysis complete."

(c) Criteria: Criteria are defined as information that provides definitive evidence that a specific accomplishment is being completed. Accomplishment criteria may include, but are not limited to:

- Completed work efforts (e.g., All Identified Trade Studies Complete).
- Activities to confirm success of meeting technical, schedule, or cost parameters (e.g., Flight Test Report Approved).
- Internal documents which provide results of incremental verification (e.g., Wind Tunnel Test Data Analysis Complete).
- Completion of critical process activities and products required by the Offeror's internal program plans or operating instructions (e.g., Risk Management Plan Approved).

Criteria should be measurable (e.g., "Test plan complete and approved " is a measurable criterion, whereas "Test plan 85% complete" is difficult to assess, if at all. Stating that 85 percent of the required planning elements are complete is not useful because the last 15 percent may include the hard-to-do elements that could require more effort than the first 85 percent.) The accomplishment criteria can include completed work efforts such as "Thermal Analysis Complete" and "Programmer's Manual Delivered."

(d) Narratives: Narratives can be used to provide additional information to further the understanding of the execution plan. The narrative shall be consistent with applicable technical and management approaches described in the Mission Capability and System Engineering volume of the proposal. While there is no constraint on the types of information that can be included in narratives, the most common uses are described as follows:

- "Process" Narratives may be used to facilitate contractor commitment to the use of and Government understanding of the proposed critical processes/ procedures prior to contract award. These "Process" Narratives would consist of concise summaries providing visibility into key management and functional processes/procedures, relation to the integrated product development process, and an overview of the efforts required to implement them.
- "Task" Narratives may be used to describe the approach to execute those tasks for which there may be no specific IMP accomplishments (e.g., level-of-effort tasks such as configuration management or program control).

5.1.2 Integrated Master Schedule (IMS)

The offeror shall provide an IMS, using Microsoft Project. The IMS file shall be saved as a Microsoft Project 98 file. The IMS shall include all events, accomplishments and criteria of the IMP, along with supporting tasks. The IMS shall indicate all critical path elements, reviews, meetings, not-later-than calendar dates for the start and completion of tasks, the duration of each activity/task, and the submission of individual data items (CDRLs). All tasks/activities shall be logically linked together showing predecessor/successor relationships. The IMS tasks shall be directly traceable to the WBS, IMP, SOW, CDRLs, and CLINs using a single numbering scheme. Key elements of the IMS include:

- Milestone/Event - A specific definable accomplishment in the program/project network, recognizable at a particular point in time.
- Activity or Task - A time consuming element, e.g., work in progress between interdependent events, represented in an activity box. Activities are numbered and are contained within an activity box. The left side represents the beginning of the activity, and the right side is the completion of the activity.
- Duration - The length of time estimated to accomplish an activity (disregarding the "calendar impact").

Rationale should also be provided supporting the derivation of the durations including ground rules and assumptions (e.g., historical data, experience on similar efforts, vendor schedules, number of work days per week, number of shifts, company holidays).

· Critical Path - A sequence of activities in the network that has the longest total duration through the program/project. If these activities slip, they would case an adverse impact to key schedule milestones.

6.0 Volume III - Cost/Price Volume

6.1 General Instructions

6.1.1 Cost/Price Reasonableness and Realism

These instructions are to assist you in submitting information other than cost or pricing data that is required to evaluate the reasonableness of your proposed cost/price. Compliance with these instructions is mandatory and failure to comply may result in rejection of your proposal. Note that unrealistically low or high proposed costs or prices, initially or subsequently, may be grounds for eliminating a proposal from competition either on the basis that the offeror does not understand the requirement or has made an unrealistic proposal. Offers should be sufficiently detailed to demonstrate their reasonableness. The burden of proof for credibility of proposed costs/prices rests with the offeror.

The PCO has made a preliminary determination of "Adequate Price Competition" in accordance with FAR 15.403-1(c)1. Therefore, a Certificate of Current Cost or Pricing Data per FAR 15.403-4 will not be required. In the event that adequate competition does not emerge in response to the solicitation, the PCO may require current cost and pricing data in accordance with FAR 15.403-4.

6.1.2 Estimating Techniques and Methods

When responding to the Cost/Price Volume requirements in the solicitation, the offeror and associated subcontractors may use any generally accepted estimating technique, including contemporary estimating methods (such as Cost-to-Cost and Cost-to-Non-Cost Estimating Relationships (CERs), commercially available parametric cost models, in-house developed parametric cost models, etc.), to develop their estimates. If necessary, reasonable and supportable allocation techniques may be used to spread hours and/or cost to lower levels of the WBS.

The Government intends to use MS Excel to analyze the offeror's proposal and to create the Government's Most Probable Cost. The offeror shall submit electronic files of the proposal estimate using the sample MS Excel cost formats (i.e., "JTRS Cost Formats.xls") provided by the Government as Attachment 3 to the solicitation. Descriptions of the cost formats and instructions for completing them are found in paragraph 6.3 below.

6.1.3 Non-Required Data

Data beyond that required by this instruction shall not be submitted, unless you consider it essential to document or support your cost/price position. All information relating to the proposed price including all required supporting documentation must be included in the section of the proposal designated as the Cost/Price volume. Under no circumstances shall this information and documentation be included elsewhere in the proposal.

6.1.4 Cost or Pricing Information Requirements

In accordance with FAR 15.403-1(b) and 15.403-3(a), information other than cost or pricing data may be required to support price reasonableness. Information shall be provided in accordance with FAR 15.403-5. If, after receipt of proposals, the PCO determines that there is insufficient information available to determine price reasonableness and none of the exceptions in FAR 15.403-1 apply, the offeror shall be required to submit cost or pricing data.

6.1.5 Rounding

All dollar amounts provided shall be rounded to the nearest dollar. All loaded labor rates shall be rounded to the nearest penny.

6.1.6 Ground Rules and Assumptions

The offeror shall identify all ground rules and assumptions used in developing the cost documentation. The offeror will provide cost documentation and supporting rationale for all years in the IMP. The effort to be included shall be in accordance with the offeror's proposed scope of work as presented in the IMP and IMS.

6.2 Volume Organization

The basic cost proposal instructions are presented below.

The Cost Volume shall be prefaced by a table of contents and shall specify, by page number, where each cost format and each piece of narrative data is located. The Cost Volume shall consist of the following sections:

Section 1 - Proposal Summary and Estimating Methodology Overview

Section 2 - Basis of Estimates (BOEs)

Section 3 - Cost Formats

Section 4 - Other Information

6.2.1 Section 1 - Proposal Summary and Estimating Methodology Overview

6.2.1.1 Proposal Summary

The offeror shall prepare the proposal summary that includes an introduction, table of contents, overview, index, summary, changes to approved/disclosed purchasing, estimating, accounting systems or CAS Disclosure Statement. The summary shall provide a CLIN summary by Elements of Cost.

6.2.1.2 Estimating Methodology Overview

The offeror shall prepare an estimating methodology overview as described below.

6.2.1.2.1 Estimating System

The offeror shall provide a summary description of your standard estimating system or methods. The summary description shall cover separately each major cost element (e.g., Direct Material, Engineering Labor, Manufacturing Labor, Indirect Costs, Other Direct Costs, Overhead, G&A, etc.). Also, the offeror will identify any deviations from their standard estimating procedures in preparing this proposal volume. The offeror shall indicate whether the Government has approved the system and if so, provide evidence of such approval.

6.2.1.2.2 Purchasing System

The offeror shall provide a summary description of your purchasing system or methods (e.g., how material requirements are determined, how sources are selected, when firm quotes are obtained, what provision is made to ensure quantity and other discounts). Also, the offeror will identify any deviations from their standard procedures in preparing this proposal. The offeror shall indicate whether the Government has approved the system and if so, provide evidence of such approval.

6.2.1.2.3 Accounting System

The offeror shall indicate whether the Government has approved the accounting system and if so, provide evidence of such approval. Also, the offeror shall identify any deviations from their standard procedures in preparing this proposal.

6.2.1.2.4 Explanation of Estimating Methods Used

The offeror shall explain the methodology used to estimate each cost element. As a minimum, for each cost element, the offeror shall provide the information shown below. If a portion of the required information is not applicable for a particular cost element, the offeror shall so state.

6.2.1.2.4.1 Past Experience-Based Estimates

Where cost estimates are based upon past experience, the offeror shall identify the past experience, explain how the past experience relates to the current effort, including similarities and differences, and explain how cost data available from the past experiences was adapted to the current effort.

6.2.1.2.4.2 Engineering Labor Hours

If engineering labor hours have been estimated based upon other than past experience, the offeror shall provide detailed rationale on how they have been estimated.

6.2.1.2.4.3 Engineering Labor Hour Skill Mix

The offeror shall explain how the proposed engineering labor hours skill mix has been derived and how the skill mix on this proposal compares with the overall plant skill mix. The offeror shall explain why the cost element requires an average, higher, or lower than average skill mix, as applicable. If the offeror's normal estimating system uses a plant-wide average for proposal purposes, the offeror shall so state.

6.2.1.2.4.4 Manufacturing Labor Hours

If manufacturing labor hours have been estimated based upon other than past experience and/or learning curve application, the offeror will provide detailed rationale on how they have been estimated. If standards were used, the offeror shall identify and explain how they were derived and state whether or not they have been used on other programs. If other than normal procedures were used to estimate manufacturing hours, the offeror will explain.

6.2.2 Section 2 - Basis of Estimate (BOEs)

The BOE shall provide in sufficient detail the basis, rationale, estimating methodology, and historical database used to derive the proposed labor and material estimates to support the proposed costs for each task identified in the offeror's IMP and IMS. The support should be comprehensive enough to provide sufficient detail and clarity to enable the Government to perform a cost/price realism assessment of the proposed costs.

To support the proposed labor hours presented in the Cost Formats, the offeror shall provide a BOE for each WBS element. If historical data of a comparable project is used, the comparability of the projects should be described, along with rationale for any adjustments in the metrics being used.

The offeror shall also provide proposed labor hours by skill category/level, at a CWBS level sufficient to provide understanding of the level of effort being planned for each of the activities proposed in the IMP and approach presented in the IMS. It is acceptable to provide BOEs based on composite rates. The offeror must provide clear traceability from the BOEs to the CWBS Microsoft Excel cost format. Cost per labor hour and total labor costs will not be included in the BOE submission.

The offeror shall identify the man-month to man-hour conversion factors used in preparing the cost proposal. The offeror shall identify the escalation rates used and explain why they should be considered reasonable.

6.2.3 Section 3 - Cost Formats

Cost formats are addressed in paragraph 6.3.

6.2.4 Section 4 - Other Information

The offeror shall include other information such as base support, long lead costs, termination costs, development/production schedule, inflation rate summary and explanation, life cycle cost, and special tooling/test equipment. The offeror will list each exception to the ground rules and assumptions provided in the solicitation and each qualification of the cost/price volume, if any, and provide complete rationale.

6.2.4.1 Commonality with Other Programs

Any cost reductions made in the offeror's proposal that are attributed to commonality with other programs, company-funded efforts, or capitalization of equipment must be supported with the following:

(a) Commonality- Identify the specific program(s) and why it is applicable. - Address the cost allowability and allocability of this action per FAR and your CAS Disclosure Statement.

(b) Company-Funded Efforts- Identify the specific efforts, the planned start and end dates, the applicability to the current solicitation, the source of company funding and how the offeror plans to account for or allocate these costs in accordance with generally accepted accounting principles, and your CAS Disclosure Statement, if applicable.

(c) Capital Equipment- Identify the specific item(s) capitalized and what other applications exist for the equipment, provide corporate approvals for each action, address the cost allowability and allocability of the action per the FAR and the offeror's CAS Disclosure Statement.

6.2.4.2 Funding Profile

The offeror shall submit then-year funding requirements by type of funds, by Government fiscal year, supported by monthly/quarterly projections of expenditures, commitments, and termination expense. Note that the funding schedules must be consistent with any imposed Government budgetary constraints.

6.2.4.3 - Management Reduction

If estimated costs to perform the proposed effort have been decreased due to a management decision, the offeror shall provide a summary of the reduction by major cost element summary. The offeror will also provide complete rationale for the reduction.

6.2.4.4 Probable Subcontractors

The offeror shall submit a listing of the proposed probable subcontractors and inter-divisional transfers showing (a) the supplier, (b) description of effort, (c) type of contract, (d) price and hours proposed by each, and (e) price and hours included in prime contractor's proposal to the Government.

6.2.4.5 Cost Risk

The offeror will discuss each Statement of Objective (SOO) paragraph, JTRS ORD paragraph, and WBS item, as applicable, for which the cost risk is considered other than low. The offeror shall identify the inherent technical, schedule or other risks that may impact cost. The offeror shall explain how such risks, including subcontract risks, have been treated in preparing the cost proposal.

6.2.4.6 - Work Breakdown Structure (WBS)

The Work Breakdown Structure (WBS) is provided as Attachment 8 to the solicitation. The offerors in developing their proposed CWBS shall adhere to this structure. Beyond the Government-provided WBS, offerors have complete flexibility based on the proposed implementation approach. If the offeror extends the CWBS below levels identified in the Government-provided WBS, the offeror must provide WBS definitions at these lower levels. However, the offeror must provide cost visibility by extending the WBS to the same level at which the Basis of Estimates (BOEs) are created.

6.2.4.7 Administrative Information

The offeror shall provide names and addresses of the cognizant Government Defense Contract Management Agency (DCMA) and Defense Contract Audit Agency (DCAA) Office representatives.

6.2.4.8 Delivery of Cost Proposals

Delivery instructions are provided in paragraph 2.6.

6.2.4.9 Rate and Systems Reviews

The offeror will state whether or not the proposed labor and burden rates have been reviewed by the cognizant Government Administrative Contracting Officer and approved for proposal pricing purposes. The offeror shall also state whether or not the offeror has approved accounting, estimating and purchasing systems.

6.3 Cost Format Instructions

Cost Formats: Offerors shall submit Cost Formats using an electronically submitted format compatible with MS Excel 2000 (".xls") containing embedded formulas that provide insight into the build-up of your cost proposal. The MS Excel cost formats (i.e., "JTRS Cost Formats.xls") are provided as Attachment 3 to the solicitation. The cost formats are also available on the Airborne JTRS website on the HERBB at <http://herbb.hanscom.af.mil>. Each section of the MS Excel cost formats is described below.

6.3.1 Cost/Price by GFY

This worksheet provides a summary of the Estimated Cost by Cost Element and Award Fee for each GFY.

6.3.2 Cost by WBS (CPAF)

This worksheet provides a detail of cost and fee by element of cost at the WBS level shown in the worksheet for the CPAF effort. The WBS level shall be to the WBS level provided by the Government.

6.3.3 Prime Contractor Rates

This worksheet provides the direct labor rates and indirect rates used in this proposal by Government fiscal year. Offerors are to explain the basis of allocation of all rates, as appropriate.

6.3.4 Travel

This format shall be used to prepare a summary of travel and living expenses at the total cost level allocated to the appropriate WBS, by Government fiscal year. The amounts shown on this format shall be direct costs (i.e., unburdened). At the bottom of, or as an attachment to the Travel Format, list all proposed airfare, mileage, per diem, auto rental, other applicable rates and number of days per trip. The offeror may provide spreadsheet summaries by appropriate WBS and by Government fiscal year to recap the data on the detail sheets.

6.3.5 Labor Mix

This worksheet provides the mix of direct labor categories for each WBS. This shall include both the prime contractor and subcontractor labor. It is acceptable and advisable to change the column headings to match the offeror's labor categories.

6.3.6 Labor Hours

This cost format identifies the proposed labor hours for each WBS for the prime contractor and for each subcontractor/interdivisional transfer. To support the proposed labor hours, the offeror will provide, in Section 2 of the Cost Volume, a BOE for each WBS element. This BOE shall include a comparison of the proposed hours to historical experience on similar/analogous projects and rationale for the proposed labor skill mix. The worksheet should be expanded to include the WBS level to whatever WBS level that the BOEs are provided. Subtotals should also be included as each WBS rolls up to the next higher-level WBS.

6.3.7 Price Track

This format will be required only if discussions are conducted and a request for Final Proposal Revision is issued. This format is used to summarize the impact of changes (e.g., revised labor hours or direct and/or indirect rates, escalation factors, subcontract prices, changes in technical approach, etc.) made to a proposal in developing a Final Proposal Revision. Dollars on this format may be shown in thousands.

Any changes in the offeror's proposal from initial to final should be reflected through profit/fee. As an example, the amount that should be shown for a change in the B-Kit Development effort should reflect the change in Direct Labor dollars, and also include any burdens (Fringe, Overhead, G&A, Facilities Capital Cost of Money, and Profit/Fee). As an attachment to the Price Track format, provide rationale to support the Final Proposal Revision adjustments. The Price Track format is to be completed by WBS for the CPAF effort. Cost formats required with the Final Proposal Revision, in addition to this format will be identified if cost discussions are conducted during the source selection process.

7.0 Volume IV - Contract Documentation

7.1 Model Contract/Representations and Certifications

The purpose of this volume is to provide information to the Government for preparing the contract document and supporting file. The offeror's proposal shall include a signed copy of the Model Contract, and all Sections A through K. This includes:

7.1.1 Section A - Solicitation/Contract Form

The offeror shall complete blocks 12 through 18 on SF33). Signature by the offeror on the SF33 constitutes an offer, which the Government may accept. The "original" copy should be clearly marked under separate cover and should be provided without any punched holes.

7.1.2 Section B - Supplies or Services and Costs/Prices

The offeror shall complete pricing information in Section B of the model contract. The offeror shall complete any CLIN information.

7.1.3 Section F - Deliveries or Performance

As set forth in Section F of the RFP.

7.1.4 Section G - Contract Administrative Data

The offeror shall complete clause ESC-G001 (Administrative Information), paragraphs 4 and 5; ESC-G003 (Remittance Address) and G015 (Implementation of Taxpayer Identification Number).

7.1.5 Section H - Special Contract Requirements

The offeror's proposal shall include this Section of the Model Contract. If the offeror proposes an award fee flow down to the subcontractors, the offeror shall add the following clause to section H:

ESC[H00x]: The Government will distribute the Award Fee determined by the Government Fee Determination Official to the Prime Contractor. Allowable costs and payments need to be IAW FAR 52.216-7 -- Allowable Cost and Payment. In the event that the Contractor pays an Award Fee to any of its subcontractors under the terms of its subcontract, the cost of such subcontractor award fee payments shall be accounted for as unallowable costs and shall not be charged to the Government under this or any other contract.

7.1.6 Section I - Contract Clauses

The offeror shall complete clauses 52.227-21 (Technical Data Declaration, Revision, and Withholding of Payment - Major Systems), 52.244-02 (Subcontracts), 252.234-7001 (Earned Value Management System).

7.1.7 Section K - Representations, Certifications, and other Statements of Offerors

The offeror shall complete representations, certifications, acknowledgments and statements.

7.2 Exceptions to Terms and Conditions

Exceptions taken to terms and conditions of the model contract, to any of its formal attachments, or to other parts of the solicitation shall be identified. Each exception shall be specifically related to each paragraph and/or specific part of the solicitation to which the exception is taken. The offeror shall provide rationale in support of the exception and fully explain its impact, if any, on the performance, schedule, cost, and specific requirements of the solicitation. This information shall be provided in the format and content of Table 3 below. Failure to comply with the terms and conditions of the solicitation may result in the offeror being removed from consideration for award.

Table 3 - Solicitation Exceptions			
Solicitation Document	Page/ Paragraph	Requirement/ Portion	Rationale
SOO, Model Contract	Applicable Page and	Identify the requirement	Justify why the
ITO, etc.	Paragraph Number	or portion to which	requirement
		exception is taken	will not be met

7.3 Other Information Required

7.3.1 Authorized Offeror Personnel

The offeror shall provide the name, title and telephone number of the company/division point of contact regarding decisions made with respect to the proposal and who can obligate the offeror's company contractually. Also, the offeror shall identify those individuals authorized to negotiate with the Government.

7.3.2 Government Offices

The offeror shall provide the mailing address, telephone and fax numbers and facility codes for the cognizant Contract Administration Office, DCAA, and Government Paying Office. Also, the offeror will provide the name and telephone and fax number for the Administrative Contracting Officer (ACO).

7.3.3 Company/Division Address, Identifying Codes, and Applicable Designations

The offeror shall provide company/division's street address, county and facility code; CAGE code; DUNS code; size of business (large or small); and labor surplus area designation. This same information must be provided if the work for this contract will be performed at any other location(s). The offeror shall list all locations where work is to be performed and indicate whether such facility is a division, affiliate, or subcontractor, and the percentage of work to be performed at each location.

7.3.4 Attachments to the Model Contract

The offeror shall provide the following as attachments to the model contract:

7.3.4.1 Participation of Small Disadvantaged Businesses (SDB)

Pursuant to the requirements of FAR 52.219-24, each offeror must provide, with its offer, targets, expressed as dollars and percentages of total contract value, for SDB participation in any of the North American Industry Classification System (NAICS) Industry Subsectors as determined by the Department of Commerce. The authorized NAICS code is 334220 (number of employees: 750). NAICS codes are also posted at <http://www.census.gov/epcd/www/naics.html>. The targets may provide for participation by a prime contractor, joint venture partner, teaming arrangement member, or subcontractor; however, the targets for subcontractors must be listed separately. These targets will be incorporated into and become a part of the contract. The successful offeror will be required to report on the participation of SDB subcontractors in accordance with FAR 52.219-25 in Section I of the contract.

7.3.4.2 Participation of Small Businesses (SB), Historically Black Colleges and Universities, or Minority Institutions (HBCU/MI)

If the offeror is other than a small business, the offeror shall submit a Small Business Subcontracting Plan in accordance with FAR 52.219-9 that also identifies and specifies the extent of offeror's commitment to the participation of small businesses (SB), historically black colleges or universities (HBCU) and minority institutions (MI), whether as joint venture members, teaming arrangement partners, or subcontractors. If applicable, the offeror shall submit a copy of their approved Master Plan. In the event the offeror has negotiated a comprehensive subcontracting plan pursuant to DFARS 219.702, the offeror must submit the information that identifies and specifies the extent of its commitment to the participation of SB, HBCU and MI.

7.3.4.3 Contract Data Requirements List (CDRL)

A preliminary list of CDRL data items is provided as Exhibit A to the solicitation. The offeror shall update Exhibit A and propose a set of CDRLs that provides the Government with adequate technical and management insight to include projected savings. Any proposed changes to the CDRL shall be accompanied by supporting rationale. Depending on the offeror's approach, CDRLs may be combined, tailored, or eliminated and new CDRLs may be added. All CDRLs must have the appropriate SOW references included.

7.3.4.4 Statement of Work (SOW) for the Airborne Joint Tactical Radio System (JTRS) Cluster 4 Pre-SDD Effort
A Statement of Objectives (SOO) is provided as Attachment 1 to the solicitation. This SOO represents the Government's minimum objectives for the Airborne JTRS Cluster 4 Pre-SDD. The offeror shall use the SOO to propose a WBS-structured SOW, which expands upon these minimum objectives to the extent necessary to conduct this acquisition. The proposed SOW shall define the tasks required for the Airborne JTRS Cluster 4 Pre-SDD ensuring all minimum requirements of the Government provided SOO and preliminary WBS have been addressed. The proposed SOW shall consist of tasking statements. Each tasking statement shall reference the CDRL items, which will be delivered by that task. The offeror shall provide CDRL references at the end of the applicable paragraphs by listing the CDRL number and Data Item Description (DID) using the format "(CDRL A001/DI-MISC-80508A)." The proposed SOW shall not contain informational notes, as the Mission Capability/Proposal Risk and System Engineering Volume provides ample opportunity for discussion and description of the offeror's approach and the IMP/IMS Volume provide the mechanisms for describing specific details of the offeror's approach. The proposed SOW, when accepted by the Government, will be put on contract at award.

7.3.4.5 Applicable Documents

A list of Applicable Documents has been provided to the offerors in Section J of the solicitation. The offeror shall provide a list of any offeror, industry, commercial, and tailored Government standards, specifications, processes, and/or practices selected as compliance documents. The offeror shall also provide a list of all Government compliance documents intended to be used as compliance documents during the course of this contract. The offeror shall submit a list of these documents, including any tailoring instructions, as an annex to the proposed SOW.

7.3.4.6 JTRS DD Form 254

The offeror shall complete the DD Form 254.

7.3.4.7. Subcontracting Plan

Include a Subcontracting Plan in accordance with FAR 19.702. The plan must be approved by the Contracting Officer before contract award.

7.3.4.8 Security Classification Guide

The offeror shall include the Security Classification Guide.

8.0 Volume V - Relevant Past and Present Performance

8.1 General

Each offeror shall submit a past and present performance volume with its proposal, containing past performance information in accordance with the format contained in Attachment L-1. Past Performance questionnaires are included as Attachment 9 to the solicitation and are also available on the Airborne JTRS website on the HERBB at <http://www.herbb.hanscom.af.mil>. This information is required on the offeror and all subcontractors, teaming partners, and/or joint venture partners proposed to perform 20% of the proposed effort based on the total proposed price or perform aspects of the effort the offeror considers critical to overall successful performance. Offerors are cautioned that the Government will use data provided by each offeror in this volume and data obtained from other sources in the evaluation of past and present performance. The offeror shall submit, along with the information required in this paragraph, a consent letter, executed by each subcontractor, teaming partner, and/or joint venture partner, authorizing release of adverse past performance information to the offeror so the offeror can respond to such information. For each identified effort for a commercial customer, the offeror shall also submit a client authorization letter, authorizing release to the Government of requested information on the Offeror's performance.

A standard questionnaire is included for distribution in Attachment L-2 (see Attachment 9 to this solicitation). The offeror is requested to forward the questionnaire to the applicable contract holder for each identified contract. Completed questionnaires will be returned to the ESC personnel specified in the Past Performance Questionnaire.

8.2 Early Proposal Information

Each offeror is requested to submit Attachment L-1 for each relevant Government contract fifteen (15) days prior to the date set for receipt of proposals. Failure to submit early proposal information will not result in offeror disqualification.

8.3 Relevant Contracts

The offeror shall submit information in accordance with Attachment L-1: Past Performance Information on recent contracts that you consider most relevant in demonstrating your ability to perform the proposed effort. Also, the offeror shall include information on recent contracts performed by each of their teaming partners and significant subcontractors that the offeror considers most relevant in demonstrating their ability to perform the proposed effort. The offeror will include rationale supporting your assertion of relevance. For a description of the characteristics or aspects the Government will consider in determining relevance, see Section M, provision M002 - Evaluation Factors, paragraph 2.4 - Past Performance Factor. Note that the Government generally will not consider performance on a newly awarded contract without a performance history or on an effort that concluded more than five (5) years prior to this source selection.

8.3.1 Specific Content

Offerors are required to explain what aspects of the contracts are deemed relevant to the proposed effort, and to what aspects of the proposed effort they relate. This may include a discussion of efforts accomplished by the offeror to resolve problems encountered on prior contracts, as well as past efforts to identify and manage program risk. Merely having problems does not automatically equate to a little or no confidence rating, since the problems encountered may have been on a more complex program, or an offeror may have subsequently demonstrated the ability to overcome the problems encountered. The offeror is required to clearly demonstrate management actions employed in overcoming problems and the effects of those actions, in terms of improvements achieved or problems rectified. This may allow the offeror to be considered a higher confidence candidate. For example, submittal of quality performance indicators or other management indicators that clearly support that an offeror has overcome past problems is required. The offeror shall categorize the relevance information into the specific Mission Capability subfactors used to evaluate the proposal.

8.3.2 Organizational Structure Change History

Many companies have acquired, been acquired by, or otherwise merged with other companies, and/or reorganized their divisions, business groups, subsidiary companies, etc. In many cases, these changes have taken place during the time of performance of relevant present or past efforts or between conclusion of recent past efforts and this source

selection. As a result, it is sometimes difficult to determine what past performance is relevant to this acquisition. To facilitate this relevancy determination, include in this proposal volume a "roadmap" describing all such changes in the organization of your company. As part of this explanation, show how these changes impact the relevance of any efforts you identify for past performance evaluation/ performance confidence assessment. Since the Government intends to consider present and past performance information provided by other sources as well as that provided by the offeror(s), your "roadmap" should be both specifically applicable to the efforts you identify and general enough to apply to efforts on which the Government receives information from other sources.

NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated in full text:

OTHER SOLICITATION PROVISIONS IN FULL TEXT

ESC-M001 EVALUATION FACTORS FOR AWARD (JUL 2003)

I. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated by reference.

A. FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS
NONE

II. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated in full text:
NONE

M001 SOURCE SELECTION

1.0 Basis for Contract Award

The Government will select the best overall offer(s) based upon an integrated assessment of Mission Capability/Proposal Risk, System Engineering, Past Performance, and Cost/Price. This is a best value source selection conducted in accordance with Air Force Federal Acquisition Regulation Supplement (AFFARS) Subpart 5315.3 Source Selection and the AFMC supplement (AFMCFARS) thereto. Contract(s) may be awarded to the offeror who is deemed responsible in accordance with the Federal Acquisition Regulation (FAR), as supplemented, whose proposal conforms to the solicitation's requirements (to include all stated terms, conditions, representations, certifications, and all other information required by Section L of this solicitation) and is judged, based on the evaluation factors and subfactors to represent the best value to the Government. Best value means the expected outcome of an acquisition that, in the Government's estimation, provides the greatest overall benefit in response to the requirement. This may result in an award to a higher rated, higher priced offeror, where the decision is consistent with the evaluation factors and the Source Selection Authority (SSA) reasonably determines that the technical superiority and/or overall business approach and/or superior past performance of the higher price offeror outweighs the cost difference. To arrive at a best value decision, the SSA will integrate the source selection team's evaluations of the evaluation factors and subfactors described below. While the Government source selection evaluation team and the SSA will strive for maximum objectivity, the source selection process, by its nature, is subjective, and therefore, professional judgment is implicit throughout the entire process.

Offerors are required to meet all solicitation requirements such as terms and conditions, representations and certifications, and technical requirements, in addition to those identified as factors and subfactors. Failure to comply with any of those requirements may result in the offeror being removed from further consideration for award.

The Government intends to evaluate proposals and make award without discussions. However, if during the evaluation period, it is determined to be in the best interest of the Government to hold discussions, offeror responses to Evaluation Notices (ENs) and the Final Proposal Revision (FPR) will be considered in making the source selection decision.

1.1. Number of Contracts to be Awarded

The Government plans to award two contracts for the Airborne JTRS Cluster 4 Pre-SDD phase, but reserves the right to award one contract or no contract depending upon the quality of the proposal(s) submitted and the availability of funds. The maximum projected Government funding for all awarded Pre-SDD contracts, to include a 10% maximum award fee, is \$40M. If two contracts are awarded, the estimated amount of each contract is \$20M.

1.2. Rejection of Unrealistic Offers

The Government may reject any proposal that is evaluated to be unrealistic in terms of program commitments, including contract terms and conditions, or unrealistically high or low in cost when compared to Government estimates, such that the proposal is deemed to reflect an inherent lack of competence or failure to comprehend the complexity and risks of the program.

1.3 Competitive Advantage from Use of GFP

The Government will eliminate any competitive advantage resulting from an offeror's proposed use of Government-furnished property (GFP).

1.4 Correction Potential of Proposals

The Government will consider, throughout the evaluation, the "correction potential" of any deficiency or proposal inadequacy. The judgment of such "correction potential" is within the sole discretion of the Government. If an aspect of an offeror's proposal not meeting the Government's requirements is not considered correctable, the offeror may be eliminated from the competitive range.

M002 EVALUATION FACTORS

2.0 Evaluation Factors and Subfactors and Their Relative Order of Importance

Award will be made to the offeror(s) with the most advantageous proposal(s) to the Government based upon an integrated assessment of the evaluation factors and subfactors (and elements, if used) described below. The Mission Capability/Proposal Risk, System Engineering, and Past Performance factors are of equal importance and each is more important than the Cost/Price factor; however, Cost/Price will contribute significantly to the selection decision. Within the Mission Capability factor, the subfactors are of equal importance.

Factor 1: Mission Capability/Proposal Risk

Subfactor 1: Access/Knowledge of Platform Requirements/Interfaces

Subfactor 2: Concept for Airborne JTRS Form Factors

Subfactor 3: Approach/Technology to Achieve a Scalable, Modular Design

Subfactor 4: Approach to Architect and Specify a Standards-Based
Airborne Network

Subfactor 5: Management Processes and Schedule

Subfactor 6: Risk Management Process

Factor 2: System Engineering

Factor 3: Past Performance

Factor 4: Cost/Price

All proposals will be evaluated as to the extent of participation of Small Disadvantaged Business (SDB) firms. In accordance with FAR 52.219-24 and Section L, paragraph 7.3.4.1, the offeror will provide targets, expressed as dollars and percentages of total contract value, for SDB participation in any of the North American Industry Classification System (NAICS) Industry Subsectors as determined by the Department of Commerce. The authorized NAICS code is 334220 (number of employees: 750). These targets will be incorporated into and become a part of the contract. The successful offeror will be required to report on the participation of SDB subcontractors in accordance with FAR 52.219-25 in Section I of the contract.

If the offeror is other than a small business, the offeror's Small Business Subcontracting Plan submitted in accordance with FAR 52.219-9 and Section L, paragraph 7.3.4.7 shall also be evaluated to determine the extent to which the offeror identifies and commits to the participation of small businesses (SB), historically black colleges or universities (HBCU) and minority institutions (MI) whether as joint venture members, teaming arrangement, or subcontractor. Failure to submit such a plan will render the offeror ineligible for award.

2.1 Factor and Subfactor Ratings

A color rating will be assigned to each subfactor under the Mission Capability/Proposal Risk factor. The color rating depicts how well the offeror's proposal meets the Mission Capability/Proposal Risk subfactor requirements in accordance with the stated explanation of how the subfactor will be evaluated. Subfactor ratings will not be rolled up into an overall color rating for the Mission Capability/Proposal Risk factor. Additionally, a color rating will be assigned to the Systems Engineering factor. The color rating depicts how well the offeror's proposal meets the Systems Engineering factor requirements in accordance with the stated explanation of how the factor will be evaluated. As a result of the evaluation, a proposal risk rating will be assigned to each Mission Capability/Proposal Risk subfactor and to the Systems Engineering factor. Proposal risk represents the anticipated Government risks based on the assessed strengths and inadequacies of the offeror's proposed approach as it relates to the Mission

Capability/Proposal Risk subfactors and to the Systems Engineering factor. Both the Mission Capability/Proposal Risk subfactors and Systems Engineering factor are described below.

A Performance Confidence Assessment will be assigned to the Past Performance factor. Performance confidence represents the Government's assessment of the probability of an offeror successfully performing as proposed and is derived from an evaluation of the offeror's present and past work record.

Cost/Price will be evaluated as described in paragraph 2.5 below.

When the integrated assessment of all aspects of the evaluation is accomplished, the color ratings, proposal risk ratings, performance confidence assessment, and evaluated cost/price will be considered in the order of priority listed in paragraph 2.0 above. Any of these considerations can influence the SSA's decision.

2.2 Factor 1 - Mission Capability/Proposal Risk

The offeror's written proposal will be used to evaluate the Mission Capability/Proposal Risk factor. The Government will evaluate the offeror's proposed technical approach and understanding of JTRS Airborne requirements to determine a Mission Capability/Proposal Risk factor assessment. Additionally, for each subfactor, the Government will evaluate the credibility and realism of the offeror's Integrated Master Plan (IMP) and Integrated Master Schedule (IMS) to complete Pre-SDD objectives not later than (NLT) thirteen (13) months.

Each subfactor within the Mission Capability/Proposal Risk factor will receive one of the color ratings described in AFFARS 5315.305(a)(3)(A), based on the assessed strengths and proposal inadequacies of the offeror's proposal as they relate to each of the Mission Capability/Proposal Risk subfactors. Each Mission Capability/Proposal Risk subfactor will also receive one of the Proposal Risk ratings defined at AFFARS 5315.305(a)(3)(B). Subfactor ratings will not be rolled up into an overall color and proposal risk rating for the Mission Capability/Proposal Risk factor.

Proposal Risk will be evaluated for each subfactor. The Proposal Risk assessment focuses on the risks and weaknesses associated with an offeror's proposed approach and includes an assessment of the potential for disruption of schedule, increased cost, degradation of performance, and the need for increased Government oversight, as well as the likelihood of unsuccessful contract performance. For each identified risk, the assessment also reviews the offeror's proposal for its risk mitigation approach and evaluates whether that approach is or is not manageable. If a combination of significant weaknesses leads to unacceptably high proposal risk, this is a deficiency in the proposal.

2.2.1 Subfactor 1 - Access/Knowledge of Platform Requirements/Interfaces

The Government will evaluate each offeror's proposed approach to determining platform interface requirements as applicable to implementing Airborne JTRS and in meeting its performance requirements. This evaluation will include the breadth of platform reviews (see Table 1 of the SOO) from all United States Military Services.

The Government will evaluate the offeror's technical understanding of platform interface requirements, including consideration of the ARC-210 form factor, and their impacts upon the Airborne JTRS design and its integration with the platforms.

The Government will evaluate the offeror's overall understanding of JTRS ORD requirements for the airborne domain.

The Government will evaluate the offeror's proposed Initial Capability Cost approach as optimized across the fleet of Airborne JTRS platforms, while meeting the JTRS performance requirements. The Government will evaluate risks identified by the offeror that are associated with the proposed requirements definition.

2.2.2 Subfactor 2 - Concept for Airborne JTRS Form Factors

The Government will evaluate the offeror's approach for developing a SCA-compliant Airborne JTRS that addresses the range of platform interfaces/requirements imposed by the platform set identified in Table 1 of the SOO. The Government will evaluate the extent to which the offeror's approach seeks to maximize commonality across platforms while minimizing the number of discrete form factors (or variants) and Initial Capability Cost.

The Government will evaluate the offeror's proposed approach for considering legacy radio form factors, including an ARC-210 form factor.

The Government will evaluate the offeror's approach to evaluating the cost, schedule and risk impacts of increasing or decreasing the number of form factors for the Airborne JTRS.

The Government will evaluate the extent to which the offeror's detailed plan for developing the Airborne JTRS, including any phased development of different form factors that results in fielding some form factors earlier than others, and enhances the Government's ability to plan an executable SDD effort that allows the earliest possible EDM and LRIP deliveries while managing risk and initial capability cost. The Government will evaluate risks identified by the offeror associated with phased implementation of different form factors.

2.2.3 Subfactor 3 - Approach/Technology to Achieve Scalable, Modular Design

The Government will evaluate the offeror's approach to defining the architecture and preliminary design for an SCA-compliant Airborne JTRS that: 1) is modular, reconfigurable, scalable and upgradeable through a layered architecture; 2) accommodates the platform interface requirements affecting Airborne JTRS integration; 3) addresses module commonality across proposed form factors, including an ARC-210 form factor as a minimum; 4) addresses different instantiations of antenna functionality and other external RF subsystems; 5) incorporates concepts for partitioning radio functions, provides an open interface between modules, and arrives at a best value solution that minimizes initial capability cost; 6) incorporates open, standard interface(s) that shall allow multiple JTR Sets installed on a single aircraft to operate as a single entity for data exchange and system control; 7) minimizes the number of discrete form factors (or variants) and Initial Capability Cost; and 8) supports Internet Protocol Version 6 (IPv6) and is backward compatible with Internet Protocol Version 4 (IPv4). The Government will evaluate the credibility and feasibility of the offeror's approach to the collaborative effort between both Pre-SDD contractors on a common interface design that allows an airborne JTR set to interface with JTR sets from other clusters and MIDS JTRS.

The Government will evaluate the extent to which the offeror's approach provides for and addresses a time-phased implementation of JTRS ORD requirements, provides for growth and technology insertion with minimal cost and design (hardware, software and interfaces) impacts to the system. The Government will evaluate the potential benefits applicable to the Airborne JTRS program of any and all proposed efficiencies from reuse of existing Software Defined Radio designs and related technologies (software, middleware, hardware, or interfaces). The Government will evaluate the design and integration risks identified by the offeror.

The Government will evaluate the offeror's approach to evaluating the cost, schedule and risk impacts of including the following in the Airborne JTRS Cluster 4 modular design: Tactical Targeting Network Technology (TTNT) waveform; navigational and air traffic control safety of flight waveforms - specifically precision approach (JPALS), navigation (TACAN), combat ID (IFF), and commercial air traffic control waveforms. The Government will evaluate the offeror's approach to evaluating the four Cross-Cluster Commonality Study Topics listed in the Statement of Objectives. The Government will evaluate the offeror's approach for evaluating the implications of expanding the Airborne JTRS design for operations in the 2MHz to 55GHz frequency range, and at the higher data rates/throughput required by some waveforms (e.g., for MP-CDL or FAB-T).

The Government will evaluate the offeror's design approach to verify that it adequately includes provisions necessary to enable all required certifications in the SDD phase, including Federal Aviation Administration (FAA) certification, National Security Agency (NSA) and Defense Information Technology Security Certification and Accreditation, interoperability certification, frequency authorization, and certification of SCA compliance by the JTRS Technical Laboratory (JTel). The Government will evaluate the offeror's approach to incorporating the Telecommunications Security Requirements Document (TSRD) requirements for Pre-SDD.

The Government will evaluate the offeror's approach to executing a successful System Requirements Review (SRR), System Design Review (SDR), and Preliminary Design Review (PDR) to include a System PDR, Software PDR, and a Hardware PDR.

2.2.4 Subfactor 4 - Approach to Architect and Specify a Standards-Based Airborne Network

The Government will evaluate the offeror's overall understanding of JTRS Airborne and platform network requirements.

The Government will evaluate the extent to which the offeror's approach to defining the Airborne network represents an open, commercial standards based architecture that is layered, and extensible to other networks and co-located network capable transport. The Government will evaluate the offeror's approach to making the standards/architecture available for collaborative execution across Air Force programs/platforms. The Government will evaluate the offeror's approach to incorporating the C2 Enterprise Reference Architecture (C2ERA) precepts and design patterns as well as Internet Protocol Version 6 (IPv6). Additionally, the Government will evaluate the offeror's ability to plan for and incorporate enhancements to emerging commercial mobile network standards to meet the Government's Airborne network needs.

The Government will evaluate the offeror's approach to the design of a platform network(s). As a minimum, the Government will evaluate the extent to which the offeror's proposed approach addresses: 1) the functionality associated with all network elements, including routers, switches, gateways/message format translation and servers used for network operation, 2) the protocols running on those network elements, and 3) the physical layer interconnections on the platform. The Government will evaluate the extent to which the proposed approach results in a network of networks that is an extension of the Global Information Grid.

The Government will evaluate the extent to which the offeror's proposed Platform Network(s) approach leverages commercial standards and products and satisfies the unique requirements found in a military airborne environment.

The Government will evaluate the networking risks identified by the offeror.

2.2.5 Subfactor 5 - Management Process and Schedule

The Government will evaluate the offeror's approach to applying robust Program Management (PM) processes, principles and practices throughout Pre-SDD. The Government will evaluate the offeror's proposed PM processes for identifying and solving problems, and providing innovative approaches/solutions for enhancing the technical performance, schedule, and affordability of the system. The Government will evaluate the credibility of each offeror's IMS, IMP and PM approaches to complete Pre-SDD objectives in not longer than thirteen (13) months.

The Government will evaluate the offeror's proposed processes and practices for efficient management and control over program resources, and the tracking/reporting metrics that will be used to effectively manage progress. The Government will consider the extent to which the offeror's proposed PM processes provide for effective communications within/across the contractor/subcontractor team and between the contractor team and the Government, especially with respect to identifying and resolving problems. The Government will evaluate the extent to which the offeror's proposed PM processes integrate risk management, support ongoing creation and execution of work packages, identify and analyze CAIV tradeoffs, and other areas addressed in the IMS/IMP.

2.2.6 Subfactor 6 - Risk Management Process

The Government will evaluate the offeror's overall understanding of the significant risks associated with the Airborne JTRS program, including the proposed approach for risk identification and mitigation.

The Government will evaluate the credibility and realism of the offeror's proposed risk identification and mitigation processes. In evaluating the credibility and realism of the offeror's approach, the Government will consider the technical merits of the recommendations, the significant benefits to the program and the probability of achieving success.

The Government will evaluate the credibility and realism of the offeror's approach to continual risk assessment and mitigation strategies for all risks identified for the Airborne JTRS program.

2.3 Factor 2 - System Engineering

The offeror's written proposal will be used to evaluate the System Engineering factor. The Government will evaluate the offeror's overall System Engineering (SE) approaches to determine an SE factor assessment. The

Government will evaluate the credibility of the offeror's SE approaches to complete Pre-SDD objectives not later than thirteen (13) months.

The SE factor will receive one of the color ratings described in AFFARS 5315.305(a)(3)(A). The technical evaluation will be based on the assessed strengths and proposal inadequacies of the offeror's proposal as they relate to SE.

The SE factor will also receive one of the Proposal Risk ratings defined at AFFARS 5315.305(a)(3)(B). The Proposal Risk assessment focuses on the risks and weaknesses associated with an offeror's proposed approach and includes an assessment of the potential for disruption of schedule, increased cost, degradation of performance, and the need for increased Government oversight, as well as the likelihood of unsuccessful contract performance. For each identified risk, the assessment also reviews the offeror's proposal for its risk mitigation approach and evaluates whether that approach is or is not manageable. If a combination of significant weaknesses leads to unacceptably high proposal risk, this is a deficiency in the proposal.

The Government will evaluate the integrated processes for SE (including all aspects of Software Engineering) and their relationship to meeting the requirements of the Mission Capability subfactors. The Government will evaluate this information for each team member involved in software and systems development or integration. The Government will evaluate the offeror's approach to integrating these processes with their own and other team member processes, including the methodology for assessing the combined process maturity/capability and required improvements. The Government will assess the degree to which the offeror's approach provides, at a minimum:

- A description of the system development effort estimation process, including software estimation, linkage to systems engineering and change processes, standard methodologies and models, software productivity estimates, and how the initial software effort estimates will be tracked against changes throughout the system life cycle.
- Configuration management processes with reference to both internally and externally generated changes, feedback process, feed into systems engineering for impact assessment.
- Intergroup communications including how the overall system development groups and subgroups are organized, how internal communications will be managed to include conflict resolution process among internal development groups, how critical dependencies among development activities are managed, and how the Government gains insight into the design as it progresses to PDR.
- Problem identification and resolution, from the system of systems down to the sub-system levels, and providing innovative approaches/solutions for enhancing the technical performance and/or affordability of the system.

2.4 Factor 3 - Past Performance

Under the Past Performance factor, the Performance Confidence Assessment represents the evaluation of an offeror's and associated key or major subcontractors', teaming partners', and joint venture partners' present and past work record to assess the Government's confidence that the offeror will successfully perform as proposed. The Government will evaluate the offeror's and associated key or major subcontractors', teaming partners' and joint venture partners' demonstrated record of contract compliance in supplying products and services that meet user's needs, including cost and schedule. The Past Performance evaluation is accomplished by reviewing aspects of an offeror's and associated key or major subcontractors', teaming partners', and joint venture partners' relevant present and recent past performance, focusing on and targeting performance that is relevant to the Mission Capability/Proposal Risk subfactors, the System Engineering factor, and the requirements of this solicitation.

The Government will evaluate current and past (within the last five (5) years) performance to determine the Government's confidence in the offeror's ability to successfully perform the Pre-SDD effort. In determining relevance, the criteria shown below will be used. Offerors should note that the order of the criteria does not imply any prioritization.

- a. Developing software programmable radios.
- b. Developing concepts for airborne radios based on total ownership cost.
- c. Integrating radios into military airborne platforms.
- d. Designing mobile, ad hoc networks applicable to an airborne environment.
- e. Defining layered network architectures.

- f. Performing production of airborne radio equipment.
- g. Designing security architectures that provide multiple levels of security.

In order to be considered Very Relevant, the offeror must demonstrate past performance in criteria a. and b. and any combination of three (3) of the remaining criteria listed above. To be considered Relevant, the offeror must demonstrate past performance in four (4) of the seven (7) criteria listed above. To be considered Somewhat Relevant, at least three (3) of the seven (7) criteria listed above must be met.

Present or recent past performance of subcontractors, teaming partners, and joint venture partners will be assessed as either relevant or not relevant. For such performance of a subcontractor, teaming partner, or joint venture partner to be considered relevant, the contract must have been performed at the same division/location, within the past five (5) years, and must have been similar to that proposed for the Pre-SDD effort.

Past performance information may include data on efforts performed by other divisions, critical subcontractors, or teaming contractors, if such resources will be brought to bear or significantly influence the performance of the proposed effort. The Government may consider as relevant efforts performed for agencies of the federal, state, or local governments and commercial customers where the performance can be independently verified. As a result of those risks and strengths identified, each offeror will receive an integrated Performance Confidence Assessment, which is the rating for the Past Performance factor. Although the past performance evaluation focuses on performance that is relevant to the Mission Capability/Proposal Risk subfactors, as well as the SE factor, the resulting Performance Confidence Assessment is made at the factor level and represents an overall evaluation of the likelihood of successful contractor performance. In addition to evaluating the extent to which the offeror's performance meets mission requirements, the assessment will consider things such as the offeror's history of forecasting and controlling costs, adhering to schedules (including the administrative aspects of performance), reasonable and cooperative behavior and commitment to customer satisfaction, and generally, the contractor's business-like concern for the interest of the customer.

Where the offeror's relevant performance record indicates performance problems, the Government will consider the number and severity of the problems and the appropriateness and effectiveness of any corrective actions taken (not just planned or promised). The Government may review more recent contracts or performance evaluations to ensure corrective actions have been implemented and to evaluate their effectiveness.

Each offeror will receive one of the ratings described in AFFARS 5315.305(a)(2)(E) for the Past Performance factor. Offerors without a record of relevant past performance or for whom information on past performance is not available will not be evaluated favorably or unfavorably on past performance, and as a result, will receive a "Neutral/Unknown Confidence" rating for the Past Performance factor.

More recent and relevant performance will have a greater impact on the Performance Confidence Assessment than less recent or less relevant effort. A strong record of relevant past performance may be considered more advantageous to the Government than a "Neutral/Unknown Confidence" rating. Likewise, a more relevant past performance record may receive a higher confidence rating and be considered more favorably than a less relevant record of favorable performance.

Past performance information will be obtained through the Contractor Performance Assessment Reporting Systems (CPARS), similar systems of other Government departments and agencies, questionnaires tailored to the circumstances of this acquisition, Defense Contract Management Agency (DCMA) channels, interviews with program managers and contracting officers, and other sources known to the Government, including commercial sources. Offerors are to note that in conducting this assessment, the Government reserves the right to use both data provided by the offeror and data obtained from other sources.

Pursuant to DFARS 215.305(a)(2), the assessment will consider the extent to which the offeror's evaluated past performance demonstrates compliance with FAR 52.219-8, Utilization of Small Business Concerns and/or FAR 52.219-9, Small Business Subcontracting Plan.

2.5 Factor 4 - Cost/Price

Proposals will be evaluated based on cost reasonableness and a Cost/Price Realism Assessment (CPRA) plus maximum proposed award fee. In arriving at a best value decision, the Government will also evaluate the offeror's proposal for the overall value derived from the offeror's proposed plan to design a modular Airborne JTRS system.

2.5.1 Cost Realism Analysis.

The Offeror's cost/price proposal will be evaluated for cost reasonableness and cost realism in accordance with FAR 15.404-1. This will include an evaluation of the extent to which proposed costs indicate a clear understanding of solicitation requirements, and reflect a sound approach to satisfying those requirements. The CPRA will consider technical/management risks identified during the evaluation of the proposal and associated costs. Cost information supporting a cost judged to be unrealistically low, and technical/management risk associated with the proposal will be quantified by the Government evaluators and included in the CPRA for each offeror. When the Government evaluates an offer as unrealistically low or high compared to the anticipated costs of performance and the offeror fails to explain these estimated costs, the Government will consider, under the applicable Proposal Risk subfactor, the offeror's lack of understanding of the technical requirements of the corresponding Mission Capability subfactor.

2.5.2 Information Other Than Cost or Pricing Data.

Information other than cost or pricing data will be evaluated for purposes of determining cost realism and the best value.

3.0 SOLICITATION REQUIREMENTS, TERMS AND CONDITIONS

Offerors are required to meet all solicitation requirements, such as terms and conditions, representations and certifications, and technical requirements, in addition to those identified as factors and subfactors to be eligible for award. Failure to comply with the terms and conditions of the solicitation may result in the offeror being removed from consideration for award. Any exceptions to the solicitation's terms and conditions must be fully explained and justified in the offeror's proposal.